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ABSTRACTS

WILDLIFE REVIEW

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UNITED STATES DEPARTMENT OF THE INTERIOR
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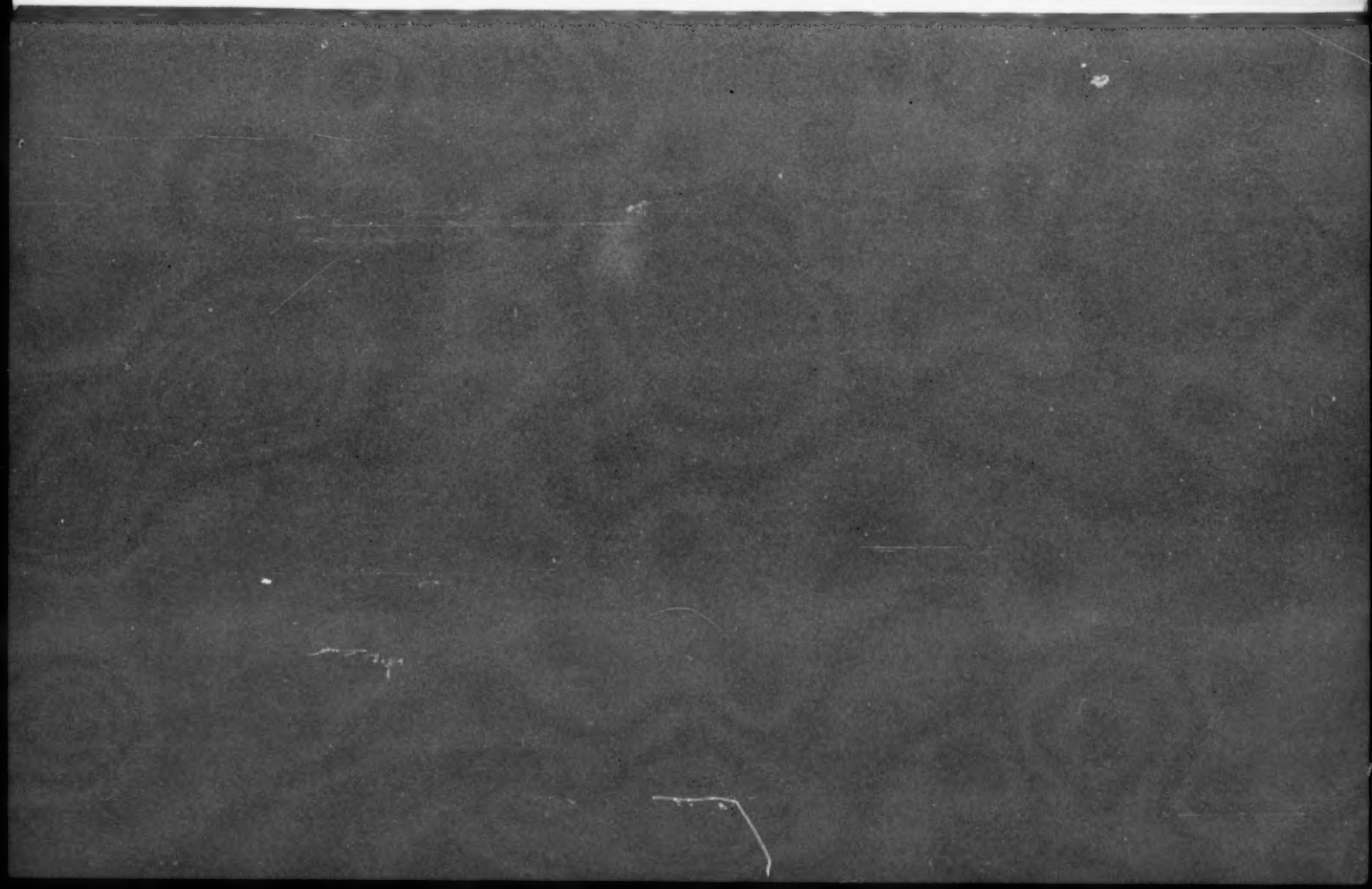

WILDLIFE REVIEW

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Except as indicated, abstracts are by Kenneth J. Chiavetta, editor, and Lillian H. Rummel, assistant editor.

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NATURAL RESOURCES & CLIMATE

Gillette, Elizabeth R., editor. ACTION FOR WILDERNESS. *Sierra Club* (San Francisco. New York) 223 p., 5.37 x 8 in. 1972. Price $2.25, paper. *WR 157:2*

"This is a book on wilderness, but not one of the usual breed. It contains no dramatic wilderness photographs; it is a book for those people who already 'believe.' It is based on the premise that the survival of wilderness is too important to be left to the whims of congressmen and government agencies. The book is intended as a practical manual for activists, and activists-to-be, in their wilderness preservation campaigns." Contents: The Wilderness Act: An analysis and assessment/ What the Wilderness Act means, Michael McCloskey; Is the Wilderness Act working?, Michael McCloskey; Preserving wilderness in the Northwest, Brock Evans; Preserving Southeastern wilderness, Theodore A. Snyder, Jr.; Working under the Wilderness Act/ How to make a wilderness study, Michael McCloskey; Organizing support for a wilderness proposal, Michael McCloskey; After the hearing, Harry B. Crandell; Preserving de facto wilderness, James W. Moorman; Action for non-federal wilderness/ Preserving wilderness through state legislation, M. Rupert Cutler; Preserving wilderness through state legislation-- As a legislator sees it, Francis W. Hatch, Jr.; Wilderness and natural areas in the Southeast, Keith A. Argow; Action for river wilderness/ Status of the wild and scenic rivers system, Jules V. Tileston; Battling for river preservation in Tennessee, Liane B. Russell; The fight to save the Oklawaha, Marjorie H. Carr; and A world heritage trust, Russell E. Train.

Hart-Davis, Duff. ASCENSION/THE STORY OF A SOUTH ATLANTIC ISLAND. *Doubleday & Co., Inc.* (Garden City, N.Y.) xii+244 p., illus. 5.75 x 8.5 in. 1973. Price $6.95. *WR 157:2*

Three chapters are devoted to the native and introduced fauna and flora of this volcanic slag heap of cinders and razor-sharp lava. The history from its discovery in the sixteenth-century and through its "colonization" in 1815 until the establishment of an Apollo space station is punctuated with accounts reminiscent of the rat-cat-dog-cow-man syndrome of the house that Jack built. However, the story is complicated by the interactions of the native seabirds, giant green turtles and land crabs with man and the other species of plants and animals he has introduced.

Havlick, Spenser W. THE URBAN ORGANISM/THE CITY'S NATURAL RESOURCES FROM AN ENVIRONMENTAL PERSPECTIVE. *Macmillan Publ. Co., Inc.* (New York) x + 515 p., illus. 7 x 10 in. 1974. Price $12.95. *WR 157:2*

"Here is an incisive examination of the state of America's natural resources, where they are and where they are going. With an original approach that focuses on the urban area, this book provides a survey of current national resource problems and practices, making the reader aware of his own impact on the country's stock of natural resources and offering practical suggestions for mitigating some of the problems." Contents: The conceptual framework of urban conservation; Integrated resource management and urbanization; Recent trends in conservation policy; Water resources *Case in point: The Great Lakes States;* Soil resources

NATURAL RESOURCES & CLIMATE--Continued

Case in point: The Mississippi Basin Region; Forest Resources *Case in point: The Gulf States;* Atmospheric resources *Case in point: The Eastern Seaboard;* Energy resources *Case in point: The Eastern Seaboard;* Mineral resources *Case in point: The Rocky Mountain Region;* Wildlife and fishery resources *Case in point: The Pacific Northwest;* Recreation and open space resources *Case in point: The Pacific Coast Region* and Ecumenopolis and cities of the future.

Lippson, Alice Jane, editor. THE CHESAPEAKE BAY IN MARYLAND. AN ATLAS OF NATURAL RESOURCES. *Johns Hopkins Univ. Press* viii + 55 p., illus. 1973. $3.95, paper. *WR 157: 3*

"A guide to an understanding of the interrelationships of plants, animals, water, and man. It is organized into brief sections, each of which deals with one or two species or physical properties of the Bay. Each section includes a map and explanatory text. The contributors are scientists from Bay-area universities, laboratories, and government agencies charged with studying and protecting the Chesapeake." Although the emphasis is on fishery resources and physical features, some sections are of special interest to wildlifers: marshes, rooted aquatic plants, ducks, geese and swans.

SOILS

Ellyson, Walter J., and others. SOIL SURVEY OF BROOKE, HANCOCK, AND OHIO COUNTIES, WEST VIRGINIA. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 62 p., 6 figs. + single-fold maps based on aerial photos and bound in. Nov. 1974. For sale by Supt. Documents, GPO, Washington, D.C. 20402. *WR 157: 3*

Jacobson, Malvern N. SOIL SURVEY OF NORMAN COUNTY, MINNESOTA. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 112 p., 20 figs. + single-fold maps based on aerial photos and bound in. Mar. 1974. For sale by Supt. Documents, GPO, Washington, D. C. 20402 *WR 157: 3*

Jeffrey, Allan H., and others. SOIL SURVEY OF LAFAYETTE COUNTY, MISSOURI. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 67 p., 18 figs. + single-fold maps based on aerial photos and bound in. Feb. 1975. For sale by Supt. Documents, GPO, Washington, D. C. 20402. *WR 157: 3*

Lane, H. C., and others. SOIL SURVEY OF PONTOTOC COUNTY, MISSISSIPPI. *U. S. Dep Agric. Soil Conserv. Serv. Soil Surv.* i + 72 p., 7 figs. + single-fold maps based on aerial photos and bound in. Dec. 1973. For sale by Supt. Documents, GPO, Washington, D. C. 20402. *WR 157: 3*

Langlois, Karl H., Jr., and Ralph H. Sturm. SOIL SURVEY OF BOONE COUNTY, INDIANA. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 56 p., 12 figs. + single-fold maps based on aerial photos and bound in. Feb. 1975. For sale by Supt. Documents, GPO, Washington, D. C. 20402. *WR 157: 3*

Matthews, Dayton, and others. SOIL SURVEY OF OUACHITA PARISH, LOUISIANA. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 80 p., 11 figs. + single-fold maps based on aerial photos and bound in. Feb. 1974. For sale by Supt. Documents, GPO, Washington, D. C. 20402. *WR 157: 3*

Moreland, Donald C., and Ronald E. Moreland. SOIL SURVEY OF THE BOULDER COUNTY AREA, COLORADO. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 86 p., 16 figs. + single-fold maps based on aerial photos and bound in. Jan. 1975. For sale by Supt. Documents, GPO, Washington, D. C. 20402. *WR 157: 3*

Nickell, Allan K., and others. SOIL SURVEY OF CLARK AND FLOYD COUNTIES, INDIANA. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 100 p., 13 figs. + single-fold maps based on aerial photos and bound in. Aug. 1974. For sale by Supt. Documents, GPO, Washington, D. C. 20402. *WR 157: 3*

SOILS--Continued

Robbins, John M., Jr., and others. SOIL SURVEY OF HARRISON COUNTY, INDIANA. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 78 p., 21 figs. + single-fold maps based on aerial photos and bound in. Feb. 1975. *WR 157: 4*

Ross, W. James, and others. SOIL SURVEY OF TUCUMCARI AREA, NEW MEXICO, NORTHERN QUAY COUNTY. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 94 p., 20 figs. + single-fold maps based on aerial photos and bound in. Nov. 1974. *WR 157: 4*

Sanders, Russell R., and others. SOIL SURVEY OF JIM HOGG COUNTY, TEXAS. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 41 p., 13 figs. + single-fold maps based on aerial photos and bound in. Nov. 1974. For sale by Supt. Documents, GPO, Washington, D. C. 20402. *WR 157: 4*

Touchet, B. Arville, and others. SOIL SURVEY OF EVANGELINE PARISH, LOUISIANA. *U. S. Dep. Agric. Soil Conserv. Serv. Soil Surv.* i + 68 p., 1 fig. + single-fold maps based on aerial photos and bound in. Aug. 1974. For sale by Supt. Documents, GPO, Washington, D. C. 20402. *WR 157: 4*

GENERAL CONSERVATION

Bailey, James A., William Elder and Ted D. McKinney. READINGS IN WILDLIFE CONSERVATION. *Wildl. Soc.* (Washington, D. C.) xvi + 722 p. illus. 1974. Price, paper $8.00 plus $1.00 for overseas postage. *WR 157: 4*

A selection of 74 papers from the literature of wildlife conservation spanning the period 1934 to 1972 and grouped under the following categories: Perspectives, Economics, Biology and populations, Habitat, Research, Education, Public relations and extension, Policy, Law enforcement, and Management. This selection, the cream of the 250 titles suggested by more than 40 Wildlife Society members, presents either important ideas of philosophies or are good examples of activities in wildlife conservation.

Buntley, Brian J. OUTLINES OF WILDLIFE CONSERVATION IN ANGOLA. *J. S. Afr. Wildl. Manage. Assoc.* 4(3): 157-166, 8 figs. 1974. *WR 157: 4*

[Reparticão Tecnica da Fauna, C. P. 527, Luanda, Angola]

BIBLIOGRAPHIES, DIRECTORIES, BIOGRAPHY, HISTORY

Bolen, Eric G. IN MEMORIAM: CLARENCE COTTAM. *Auk* 93(1): 118-125, 1 pl. Jan. 1975. *WR 157: 4*

[Rob & Bessie Welder Wildl. Found., P. O. Drawer 1400, Sinton, Tex. 78387] "It is fair, I think, to say that this man of so many accomplishments made a twofold mark in science, first, as a biologist-administrator in what is now the U. S. Fish and Wildlife Service in the Department of the Interior, and secondly as the Director of the Rob and Bessie Welder Wildlife Foundation."--Courtesy/ Paul A. Stewart.

Reeves, Henry M., compiler. A CONTRIBUTION TO AN ANNOTATED BIBLIOGRAPHY OF NORTH AMERICAN CRANES, RAILS, WOODCOCK, SNIPE, DOVES, AND PIGEONS. *U. S. Fish Wildl. Serv. - Nat. Tech. Inform. Serv. Rept.* no. PB-240-999. xiii + 527 p. Apr. 1975. Available from National Technical Information Service, U. S. Department of Commerce, 5285 Port Royal Road, Springfield, Va. 22161. Paper, $12.50, microfiche, $2.25. *WR 157: 4*

[Office of Migratory Bird Management, Laurel, Md. 20811] This annotated bibliography summarizes literature on North American members of the avian families Gruidae, Rallidae, Scolopacidae, and Columbidae, with emphasis on the species presently or once hunted for sport. Reviewed literature is chiefly limited to the English language, species indigenous to North America, and the period ending December 31, 1971. The number of entries, by avian families, totals 5,730 and is sub-divided into Gruidae, 827; Rallidae, 922; Scolopacidae, 1,050; Columbidae, 2,314; and Composite, 617. Each cited article is computer coded for discrete

identity. Citations are listed in three indexes: (1) Taxonomic-Subject; (2) Geographical-Taxonomic; and (3) Author.

Sherbrooke, Wade C., and Patricia Paylore. WORLD DESERTIFICATION: CAUSE AND EFFECT/A LITERATURE REVIEW AND ANNOTATED BIBLIOGRAPHY. *Univ. Ariz Arid Lands Resour. Inf. Pap.* no. 3. iv + 166 p. 1973. *WR 157:5*
[Univ. Ariz., Tucson 85719] Approximately one dozen of the 252 papers listed deal directly with wildlife.

PLANTS--GENERAL, ECOLOGY, TECHNIQUES

King, Dennis R. ESTIMATION OF YEW AND CEDAR AVAILABILITY AND UTILIZATION. *J. Wildl. Manage.* 39(1): 101-107, 3 figs. Jan. 1975. *WR 157: 5*
[Weyerhaeuser Co., P. O. Box 1060, Hot Springs, Ark. 71901] Abstract: Close correlations were found for weight-diameter regressions for Canada yew (*Taxus canadensis*) and northern white cedar (*Thuja occidentalis*) and length-diameter regressions for yew. Availability or standing crop of browse can be estimated from stem and branch diameter measurements for yew and cedar, respectively, and utilization can be estimated from measurements of diameter at the point of browsing. A significant difference in length-diameter regressions was found between terminal and lateral yew twigs. This difference can be accounted for in the field procedure with a minor increase in accuracy. The field procedure is simple and objective, and the methods should be applicable to other coniferous species.

WILDLIFE--BIOTAS, ECOLOGY, NATURAL HISTORY

Baker, Rollin H., Robert G. Webb, and Edward Stern. AMPHIBIANS, REPTILES AND MAMMALS FROM NORTH-CENTRAL CHIAPAS. *An. Inst. Biol. Univ. Nac. Auton. Mex. Ser. Zool.* 42(1): 77-86, illus. 1971(1973). [From Biol. Abstr. 59(3), 1975. In English with Spanish summ.] *WR 157: 5*
[Mich. State Univ., East Lansing 48823]

Gustafson, John Roger. VERTEBRATE STRUCTURE OF A SAGEBRUSH COMMUNITY, WASHOE COUNTY, NEVADA. *Ph. D. thesis, Univ. Nev.* 284 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 5*

Hazen, William E., editor. READINGS IN POPULATION AND COMMUNITY ECOLOGY. *W. B. Saunders Co.* (Philadelphia, London, Toronto) ix + 421 p., 118 figs. 7.25 x 10.25 in. 1970. Price $5.75, Canada $6.25. *WR 157: 5*
An attempt is made to explore some of the avenues that research and speculation in population and community ecology have taken. After an introductory chapter the readings are grouped as follows: Single species populations, Relationships between species, Community metabolism, and Community structure and population regulation. This balanced selection of readings when combined with lectures, laboratory and field work should provide upper level students in ecology with an ideal ground for further study.

McKenzie, N. L., A. A. Burbidge, and N. G. Marchant. RESULTS OF A BIOLOGICAL SURVEY OF A PROPOSED WILDLIFE SANCTUARY AT DRAGON ROCKS NEAR HYDEN, WESTERN AUSTRALIA. *West. Aust. Dep. Fish. Fauna Rep.* 12. p. 1-27, illus. 1973. [From Biol. Abstr. 59(3), 1975.] *WR 157: 5*
[Dep. Fish. and Fauna, Western Australia, Australia]

Nogge, Gunther. SIEBEN JAHRE KABUL-ZOO AFGHANISTAN. [SEVEN YEARS AT THE KABUL ZOO, AFGHANISTAN.] *Z. Kölner Zoo* 3(17): 105-109, illus. 1974. In German with English summ. *WR 157: 5*
[Institute of Applied Zoology, An der Immenburg 1, 53 Bonn 1, West Germany] Afghanistan wildlife in the Kabul Zoo.

Reid, Keith, J. A. Lauwerys, Joyce Joffe, and Anthony Tucker. MAN, NATURE AND ECOLOGY. *Doubleday and Co., Inc.* (Garden City, New York). 448 p., illus., 7.5 x 10.75 in. 1974. Price $14.95 cloth. *WR 157: 6*

Effects of man's overpopulation of the earth, including basic descriptions of energy flow, food chains, metabolic cycles, animal and human ecosystems, pollution effects and the present and potential availability of human foods.

Schuler, Victor J. AN ECOLOGICAL STUDY OF THE DELAWARE RIVER IN THE VICINITY OF ARTIFICIAL ISLAND. *Ichthyological Assoc., Inc.* vii + 571 p., illus. Sept. 1974. *WR 157: 6*

[Ichthyological Associates, Inc., 100 S. Cass Street, Middletown, Del. 19709] Nine of the survey papers deal with fish or invertebrates. However, the paper (Pages 523-571) by Rudolf G. Arndt and Fred C. Rohde entitled *Studies of the Terrestrial Ecology of Artificial Island and Vicinity, Salem County, New Jersey, March 1972 - December 1973* should be of interest to readers of *WR*.

Stuart, C. T. PRELIMINARY CHECKLISTS OF THE FLORA AND VERTEBRATE FAUNA OF VROLIJKHEID NATURE CONSERVATION STATION. *Cape of Good Hope Dep. Nat. Conserv. Invest. Rep.* 19. p. 1-18. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 6*

Vollrath, Evelyn. BARRO COLORADO ISLAND-EINE BIOLOGISCHE FORSCHUNGSSTATION IN PANAMA. [BARRO COLORADO ISLAND - A BIOLOGICAL RESEARCH STATION IN PANAMA. *Z. Kölner Zoo* 17(3): 87-94, illus. 1974. In German with English summ. *WR 157: 6*

[Smithsonian Institute for Tropical Research, P. O. Box 2072, Balboa/Canal Zone, Panama] Life history of mantled howler monkeys *(Alouatta palliata)*, Central American spider monkeys, *(Ateles geoffroyi)*, ocelots *(Leopardus pardalis)*, jaguarundis *(Herpailurus yagouaroundi)*, tayras *(Eira barbara)*, toucans, anis *(Crotophora spp.)*, orioles, hummingbirds, common iguana *(Iguana iguana)*, American crocodile *(Crocodylus acuta)*, the long-headed snake *(Oxybelis aeneus)*, boa constrictor *(Boa constrictor)*, tree frog *(Agalchynis callidris)*, and arrow poison frog *(Dendrobates auratus)*.

WILDLIFE--NATURAL AREAS & REFUGES

Curry-Lindahl, Kai. CANADAS NATIONALPARKER. [CANADA'S NATIONAL PARKS.] *Särtryck Jordan Runt* 12: 957-964, illus. 1969. In Swedish. *WR 157: 6*

Curry-Lindahl, Kai. NATIONALPARKER I AFRIKA. [NATIONAL PARKS IN AFRICA.] *Särtryck Jordan Runt* 6: 487-495, illus. 1969. In Swedish. *WR 157: 6*

Pinheiro, Maria Fernanda Vizeu. RELATÓRIO DA VISITA A CENTROS DE CRIAÇÃO ARTIFICIAL DE ALGUMAS ESPÉCIES CINEGÉTICAS, RESERVAS DE CAÇA E PARQUES NACIONAIS FRANCESES. [REPORT OF A VISIT TO ARTIFICIAL REARING CENTERS OF SOME GAME SPECIES, HUNTING RESERVES AND FRENCH NATIONAL PARKS.] *Dir.-Geral. Serv. Florestais Aquícolas Estud. Divulg. Téc. Grupo A Secc. Zool. Florestal Cinegética.* 86 p. [53 figs.] 1971. In Portuguese. *WR 157: 6*

WILDLIFE--NATURE PROTECTION & RARE & EXTINCT SPECIES

Brazilian Academy of Sciences, editors. ESPÉCIES DA FAUNA BRASILEIRA AMEAÇADAS DE EXTINÇÃO. [SPECIES OF THE BRAZILIAN FAUNA THREATENED WITH EXTINCTION.] *Acad. Brasileira Cienc.* (Rio de Janeiro). 175 p., illus. 1972. In Portuguese. *WR 157: 6*

The subject is covered in chapters by specialists. Fernando Dias de Avila-Pires (Conservation and Extinction); Adelmar F. Coimbra-Filho (Mammals); Helmut Sick (Birds); P. E. Vanzolini (Reptiles and Amphibians); H. A. Britski and J. L. de Figueiredo (Fish); José Candido de Melo Carvalho (Invertebrates) and Alceo Magnanini (Conservation of the Fauna in National Parks and Reserves in Brazil).

WILDLIFE--MORPHOLOGY, PHYSIOLOGY, BEHAVIOR, MIGRATION

Bennett, Miriam F. LIVING CLOCKS IN THE ANIMAL WORLD. *Charles C. Thomas* (Springfield, Ill.) xiii + 221 p., illus., 6 x 9.25 in. 1974. Price $11.75 cloth. *WR 157: 7*

"An historical review of the study of living clocks and the state of the field at the present time. Leading investigators and their contributions to biochronometry are cited, and the value of the biological knowledge of time to other disciplines and interests is noted. Extensive bibliography."

WILDLIFE--POLLUTION

Bauerle, Bruce, David L. Spencer, and William Wheeler. THE USE OF SNAKES AS A POLLUTION INDICATOR SPECIES. *Copeia* 1975(2): 366-368. 23 May 1975. *WR 157: 7*

[Mesa Coll., Grand Junction, Colo. 81501]

Chang, Eppie S., and E.L.R. Stokstad. EFFECT OF CHLORINATED HYDROCARBONS ON SHELL GLAND CARBONIC ANHYDRASE AND EGG SHELL THICKNESS IN JAPANESE QUAIL. *Poultry Sci.* 54(1): 3-10. Jan. 1975. *WR 157: 7*

[Miles Labs., Inc., Elkhart, Ind. 46514] *"Coturnix coturnix japonica."*

Friend, Milton, and Daniel O. Trainer. EXPERIMENTAL DDT-DUCK HEPATITIS VIRUS INTERACTION STUDIES. *J. Wildl. Manage.* 38(4): 887-895, 3 figs. Oct. 1974. *WR 157: 7*

[Univ. Wis., Stevens Point 54481] *"Anas platyrhynchos."*

Friend, Milton, and Daniel O. Trainer. EXPERIMENTAL DIELDRIN-DUCK HEPATITIS VIRUS INTERACTION STUDIES. *J. Wildl. Manage.* 38(4): 896-902, 4 figs. Oct. 1974. *WR 157: 7*

[Univ. Wis., Stevens Point 54481] *"Anas platyrhynchos."*

Gaskin, D. E., G. J. D. Smith, P. W. Arnold, M. V. Louisy, R. Frank, M. Holdrinet, and J. W. McWade. MERCURY, DDT, DIELDRIN, AND PCB IN TWO SPECIES OF ODONTOCETI (CETACEA) FROM ST. LUCIA, LESSER ANTILLES. *J. Fish. Res. Board Can.* 31(7): 1235-1239. July 1974. In English with French summ. *WR 157: 7*

[Univ. Guelph, Guelph, Ontario, Canada] *"Globicephala macrorhyncha* and *Stenella (longirostris ?)."*

Gilbertson, Michael, and Lincoln Reynolds. A SUMMARY OF DDE AND PCB DETERMINATIONS IN CANADIAN BIRDS, 1969 TO 1972. *Can. Wildl. Serv. Occas. Pap.* no. 19. 17 p. 1974. In English with French summ. *WR 157: 7*

Abstract: Geometric mean values for DDE and PCB are presented for different tissues of bird species from different provinces of Canada.

Joiris, C., M. Lauwereys, and A. Vercruysse. TENEUR EN RESIDUS ORGANOCHLORES DE RAPACES TROUVES MORTS EN BELGIQUE: I. [ORGANOCHLORINE RESIDUE CONTENT IN DEAD RAPTORS IN BELGIUM: I.] *Aves* 10(3): 161-170. 1973. [From Biol. Abstr. 59(3), 1975. In French with English summ.] *WR 157: 7*

[Ave. Bel-Air 6, Brussels B-1180, Belgium]

Knopf, Fred L., and Joseph C. Street. INSECTICIDE RESIDUES IN WHITE PELICAN EGGS FROM UTAH. *Wilson Bull.* 86(4): 428-434, 2 figs. Dec. 1974. *WR 157: 7*

[Utah State Univ., Logan 84322] *"Pelecanus erythrorhynchos."*--Courtesy/ Paul A. Stewart.

Labisky, Ronald F. RESPONSES OF PHEASANTS TO SIMULATED FIELD APPLICATIONS OF COUNTER, AN ORGANOPHOSPHATE INSECTICIDE. *J. Wildl. Manage.* 39(1): 174-178, 1 fig. Jan. 1975. *WR 157: 7*

[Ill. Nat. Hist. Surv., Urbana 61801] *"Phasianus colchicus."*

Leporati, Lamberto, Mario Spagnesi, Paolo Melotti, and Augusto Andreucci. RICERCHE SPERIMENTALI PRELIMINARI DEGLI EFFETTI DI ALCUNI FITOFARMACI SU SPECIE

SELVATICHE. [PRELIMINARY EXPERIMENTAL RESEARCH INTO THE EFFECTS OF SOME PESTICIDES UPON WILDLIFE.] *Ric. Biol. Selvaggina* no. 60. 40 p. 3 figs. Sept. 1974. In Italian with French, German and English summ. *WR 157: 7*
"Coturnix c. japonica, Phasianus colchicus mongolicus and *Lepus europaeus."*

Lincer, Jeffrey L., and Deena Salkind. A PRELIMINARY NOTE ON ORGANOCHLORINE RESIDUES IN THE EGGS OF FISH-EATING BIRDS OF THE WEST COAST OF FLORIDA. *Fla. Field Nat.* 1(2): 19-22. Fall 1973. *WR 157: 8*
[Mote Marine Lab., 9501 Blind Pass, Sarasota, Fla. 33581]

Messick, John P., Elwood G. Bizeau, Woodrow W. Benson, and William H. Mullins. AERIAL PESTICIDE APPLICATIONS AND RING-NECKED PHEASANTS. *J. Wildl. Manage.* 38(4): 679-685. Oct. 1974. *WR 157: 8*
[Univ. British Columbia, Vancouver, British Columbia, Canada V6T 1W5]
"Phasianus colchicus."

Sanders, Oscar Thomas, Jr. EFFECTS OF A POLYCHLORINATED BIPHENYL IN MICE CAGED AT DIFFERENT DENSITIES AND FED AT DIFFERENT NUTRITIONAL LEVELS. *Ph. D. thesis, Va. Polytech. Inst.* 143 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975] *WR 157: 8*
"Mus musculus and *Peromyscus leucopus."*

Stanton, Philip B. THE HARD TRUTH ABOUT OIL POLLUTION. *Mass. Wildl.* 26(2): 16-19, illus. Mar.-Apr. 1975. *WR 157: 8*
[Framingham State Coll., Framingham, Mass.] "After eight years of intensive research a world expert on oiled birds is convinced that we should invest much more in prevention and protection, and much less in cleaning victims."

Vermeer, Rebecca, and Kees Vermeer, compilers. OIL PULLUTION OF BIRDS: AN ABSTRACTED BIBLIOGRAPHY. *Can. Wildl. Serv. Manuscript Rep.* no. 29. ii + 68 p. 1974. *WR 157: 8*
[Canadian Wildl. Serv., Room 10025 Jasper Ave., Edmonton, Alberta, Canada T5J 1S6] "The bibliography is presented in abstracted form to provide a review of the literature on the topic. The chronological arrangement shows the evolution of the problem of oil pollution of birds over a period of about fifty years.... Undesignated abstracts were provided by the authors. An unabstracted bibliography consisting of 232 entries in alphabetical order is appended with literature coverage up to December 1973."

Wiemeyer, Stanley N., Paul R. Spitzer, William C. Krantz, Thair G. Lamont, and Eugene Cromartie. EFFECTS OF ENVIRONMENTAL POLLUTANTS ON CONNECTICUT AND MARYLAND OSPREYS. *J. Wildl. Manage.* 39(1): 124-139, 1 fig. Jan. 1975. *WR 157: 8*
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811] *"Pandion haliaetus."*

WILDLIFE--PARASITES & DISEASES

Huizinga, Harry W. WILDLIFE DISEASE (MICROFICHE JOURNAL) INFORMATION FOR AUTHORS. *J. Wildl. Dis.* 11(2): 302-303. Apr. 1975. *WR 157: 8*
[Ill. State Univ., Normal 61761]

Huizinga, Harry W. WILDLIFE DISEASE--A 15 YEAR MICROFICHE PUBLICATION EXPERIMENT--CONS, PROS, FUTURE? *J. Wildl. Dis.* 11(2): 292-297. Apr. 1975. *WR 157: 8*
[Ill. State Univ., Normal 61761]

Schmidt, Gerald D. *SPHAERIROSTRIS WERTHEIMAE* SP. N., AND OTHER ACANTHOCEPHALA FROM VERTEBRATES OF ISRAEL. *J. Parasitol* 61(2): 298-300, 5 figs. Apr. 1975. *WR 157: 8*
[Univ. Northern Colo., Greeley 80639]

WILDLIFE--BIOMETRICS

Van Winkle, Webster. COMPARISON OF SEVERAL PROBABILISTIC HOME-RANGE MODELS. *J. Wildl. Manage.* 39(1): 118-123, 1 fig. Jan. 1975. *WR 157: 9*
[Oak Ridge Natl. Lab., Tenn. 37830] Abstract: The term *utilization distribution* is used to refer to the relative frequency distribution for the points of location of an animal over a period of time. Nine univariate and bivariate probabilistic home-range models were compared to determine their relative suitabilities as an approximation of a utilization distribution. The differences between univariate and bivariate models and methods were clarified. Since the utilization distribution is a bivariate distribution itself, a bivariate probability distribution generally will be more appropriate.

WILDLIFE--TECHNIQUES

Caughley, Graeme. BIAS IN AERIAL SURVEY. *J. Wildl. Manage.* 38(4): 921-933, 4 figs. Oct. 1974. *WR 157: 9*
[Univ. Sydney, Sydney, New South Wales 2006, Australia]

Krug, Alan Scott. A MODEL FOR EVALUATION OF AFFILIATES OF THE NATIONAL WILDLIFE FEDERATION. *Ph. D. thesis, Pa. State Univ.* 183 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 9*

Schuerholz, G. QUANTITATIVE EVALUATION OF EDGE FROM AERIAL PHOTOGRAPHS. *J. Wildl. Manage.* 38(4): 913-920, 6 figs. Oct. 1974. *WR 157: 9*
[Univ. Freiburg, Freiburg, Germany]

WILDLIFE--MANAGEMENT & RESEARCH, GENERAL

Blankenship, Lytle H., and Svend A. Qvortrup. RESOURCE MANAGEMENT ON A KENYA RANCH. *J. S. Afr. Wildl. Manage. Assoc.* 4(3): 185-190. 1974. *WR 157: 9*
[Tex. A & M Univ., P. O. Drawer 1051, Uvalde 78801]

Byford, James L. EXTRA FARM INCOME THROUGH HUNTING. *Univ. Tenn. Agric. Ext. Serv. Publ.* 677. 20 p., illus. Feb. 1974. *WR 157: 9*
[Univ. Tenn., Knoxville]

Field, C. R. SCIENTIFIC UTILIZATION OF WILDLIFE FOR MEAT IN EAST AFRICA: A REVIEW. *J. S. Afr. Wildl. Manage. Assoc.* 4(3): 177-183. 1974. *WR 157: 9*
[Kenya Wildl. Manage. Project, P. O. Box 30559, Nairobi, Kenya]

Lampio, Teppo. HUNTING RATIONALIZATION STUDIES. *Finnish Game Res.* no. 34. p. 3-13, 4 figs. 1974. *WR 157: 9*
[Game & Fisheries Res. Inst., Unioninkatu 45 B, 00170 Helsinki 17, Finland]

Valentinčič, Stane. SHOOTING RIGHTS IN EUROPE. *Finnish Game Res.* no. 34. p. 47-49. 1974. *WR 157: 9*
[Univ. Ljubljana, Ljubljana, Yugoslavia]

Von Richter, Wolfgang, and Thomas M. Butynski. WILDLIFE UTILIZATION IN BOTSWANA: A REVIEW AND EVALUATION OF HUNTER RETURNS AS A SOURCE OF ADMINISTRATIVE AND BIOLOGICAL DATA. *J. S. Afr. Wildl. Manage. Assoc.* 4(3): 167-176, 9 figs. 1974. *WR 157: 9*
[Dep. Wildl. & Natl. Parks, P. O. Box 131, Gaborone, Botswana]

Walker, B. H. AN APPRAISAL OF THE SYSTEMS APPROACH TO RESEARCH ON AND MANAGEMENT OF AFRICAN WILDLIFE ECOSYSTEMS. *J. S. Afr. Wildl. Manage. Assoc.* 4(3): 129-135, 2 figs. 1974. *WR 157: 9*
[Univ. Rhodesia, Salisbury, Rhodesia]

West, Douglas R., organizer. PROCEEDINGS OF THE WORKSHOP ON PUBLIC LANDS MANAGEMENT FOR FISH AND WILDLIFE/ANGOLA, INDIANA/FEBRUARY 25-28, 1974. *Ind. Dep.*

Nat. Resour. and *Region 3 U. S. Fish Wildl. Serv.* iii + 159 p., illus. [1974] *WR 157: 9*

[U. S. Fish & Wildl. Serv., Twin Cities, Minn.] Of the sixteen papers presented, the following fall within the scope of *WR: Cover mapping for wildlife management plans,* Allen W. Cannon; *Management of Great Lakes Forests for ruffed grouse,* Gordon W. Gullion; *Prescribed burning as a wildlife management tool as used on Crex Meadows Wildlife Area,* Norman R. Stone; *Wildlife management on the Shawnee National Forest,* Jerry Garver; *Gathering use and harvest data,* Kenneth C. Nettles; *Documentation for management by objectives,* Douglas R. West; *Pros of put and take pheasant hunting,* George Seketa; and *Put and take stocking, the contrary view,* Dale N. Martin.

WILDLIFE--HUNTING AREAS & PROBLEMS

Berger, Michael Edward. TEXAS HUNTERS: CHARACTERISTICS, OPINIONS, AND FACILITY PREFERENCES. *Ph. D. thesis, Tex. A & M Univ.* 142 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975] *WR 157: 10*

WILDLIFE--INTRODUCTIONS

Johnson, Loyal. ALIEN ANIMALS/THE STORY OF TRANSPLANTS. *Alaska Fish Game* 8(1): 10-13, illus. Jan.-Feb. 1975. *WR 157: 10*

[Alaska Dep. Fish & Game, Sitka] Popular account.

Orwin, Joanna, editor. ASSESSMENT AND MANAGEMENT OF INTRODUCED ANIMALS IN NEW ZEALAND FORESTS/ PROCEEDINGS OF A SYMPOSIUM ARRANGED BY THE FOREST AND RANGE EXPERIMENT STATION, RANGIORA, 29-31 AUGUST 1972. *New Zealand For. Serv. For. Res. Inst. Symposium* no. 14. viii + 191 p., illus. 1973. *WR 157: 10*

Includes the following papers: *Assessment of damage in forest,* J. A. Wardle and I.L.B. James; *Animals in the alpine grasslands,* G. R. Evans; *Relation of animals to use of vegetation/vegetation types,* K. G. Tustin; *Animal and vegetation assessment for conservancy use,* G. B. Wilkinson; *Assessment of animal damage in exotic forests of the Central North Island,* A. P. Farmer; *Population statistics and their relation to the control of opossums in indigenous forest,* J. M. Bamford; *The use of physical size and growth rate for deer management,* C. N. Challies; *Use of habitat by sika deer,* Mavis M. Davidson; *Grazing before planting and in young plantations,* A. E. Beveridge and B. K. Klomp; *Economic and silvicultural aspects of combining farming with forestry,* R. L. Knowles; *Animals in forests: present policy and position in animal control and management,* K. H. Miers; *Summary of conservancy statements,* K. M. Purdon, H. Vipond, T. Cookson, J. D. Corboy, M. F. O'Reilly, W. R. Forsyth, and M. Kershaw; *Summary of questionnaire returns,* J. L. Bathgate; *Animals and the land,* A.S.D. Evans; *The status quo in animal control and management: a research assessment,* J. T. Holloway; *The effects of density on animal populations,* J. A. Gibb; *Estimation of population density changes,* C. L. Batcheler; *Research into control of opossums by aerial poisoning,* J. T. Martin; *Natural vegetation bait poisoning; preliminary trials with hares,* M.J.W. Douglas; *The effect of the commercial venison industry on deer populations,* C. N. Challies; and *Toxicology of wildlife control: facts and fancies,* J. A. Peters.

WILDLIFE--PREDATION, CROP DAMAGE, CONTROL

Beasom, Samuel L. RELATIONSHIPS BETWEEN PREDATOR REMOVAL AND WHITE-TAILED DEER NET PRODUCTIVITY. *J. Wildl. Manage.* 38(4): 854-859, 3 figs. Oct. 1974. *WR 157: 10*

[Tex. A & M Univ., College Station 77843] *"Odocoileus virginianus, Canis latrans* and *Lynx rufus."*

WILDLIFE--PREDATION, CROP DAMAGE, CONTROL--Continued

Beasom, Samuel L. SELECTIVITY OF PREDATOR CONTROL TECHNIQUES IN SOUTH TEXAS. *J. Wildl. Manage.* 38(4): 837-844. Oct. 1974. *WR 157: 11*
[Tex. Agric. Exp. Stn., College Station 77843.]

Bleich, Vernon C. ROADRUNNER PREDATION ON GROUND SQUIRRELS IN CALIFORNIA. *Auk* 92(1): 147-149. Jan. 1975. *WR 157: 11*
[Rio Hondo Coll., Whittier, Calif. 90608] A roadrunner *(Geococcyx californianus)* was seen with a freshly-killed white-tailed antelope squirrel *(Ammospermophilus leucurus).*--Courtesy/Paul A. Stewart.

Matyushkin, E. N. [LARGE PREDATORS AND SCAVENGERS OF MIDDLE SIKHOTE-ALIN.] *Byull. Mosk. O-va. Ispyt. Prir. Otd. Biol.* 79(1): 5-21, illus. 1974. [From Biol. Abstr. 59(2), 1975. In Russian with English summ.] *WR 157: 11*

Rathcke, B. J., and R. W. Poole. RED SQUIRREL ATTACKS A PILEATED WOODPECKER. *Wilson Bull.* 86(4): 465-466. Dec. 1974. *WR 157: 11*
[Brown Univ., Providence, R. I. 02912] *"Tamiasciurus hudsonicus* and *Dryocopus pileatus."*--Courtesy/ Paul A. Stewart.

WETLANDS & WILDLIFE

Gupta, Tirath R., and John H. Foster. INSTITUTIONAL FRAMEWORK AFFECTING THE USE OF INLAND WETLANDS IN MASSACHUSETTS. *Univ. Mass. Coop. Ext. Serv. Publ.* no. 91. ii + 39 p. July 1975. *WR 157: 11*
[Univ. Mass., Amherst]

Weller, Milton W. STUDIES OF CATTAIL IN RELATION TO MANAGEMENT FOR MARSH WILDLIFE. *Iowa State J. Res.* 49(4, pt. 1): 383-412, 22 figs. May 1975. *WR 157: 11*
[Univ. Minn., St. Paul 55108]

RANGELAND & WILDLIFE

Stevens, Richard, A. Perry Plummer, Chester E. Jensen, and Bruce C. Giunta. SITE PRODUCTIVITY CLASSIFICATION FOR SELECTED SPECIES ON WINTER BIG GAME RANGES OF UTAH. *U. S. For. Serv. Res. Pap. Int.*-158. 24 p., 13 figs. Oct. 1974. *WR 157: 11*
[Utah Div. Wildl. Resour., Salt Lake City 84116]

FORESTLAND--MANAGEMENT FOR & DAMAGE BY WILDLIFE

Baurant, R. VIE SAUVAGE ET FORET. [WILDLIFE AND FOREST]. *Cent. Rech. Agro. Gembloux Semaine d'etude Agric. Environ. 26 Sept. 1974.* p. 422-430. 1974. In French with English summ. *WR 157: 11*
[Cent. Rech. Agro. Gembloux, 59 Ave. de la Faculté, Gembloux, Belgium]

Kim, Bong Koo. CONSTRAINTS ON TIMBER PRODUCTION TO ACCOMMODATE WILDLIFE HABITAT. *Ph. D. thesis, Univ. Mo.* 128 p. 1973. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 11*

Newton, Michael. CONSTRUCTIVE USE OF HERBICIDES IN FOREST RESOURCE MANAGEMENT. *J. For.* 73(6): 329-336, 6 figs. June 1975. *WR 157: 11*
[Oreg. State Univ., Corvallis] Includes a section on "management of wildlife friends and foes."

Telfer, Edmund S. VERTICAL DISTRIBUTION OF CERVID AND SNOWSHOE HARE BROWSING. *J. Wildl. Manage.* 38(4): 944-946, 1 fig. Oct. 1974. *WR 157: 11*
[Canadian Wildl. Serv., 10025 Jasper Ave., Edmonton, Alberta T5J 1S6, Canada] *"Alces alces, Odocoileus virginianus, O. hemionus, Cervus canadensis* and *Lepus americanus."*

MAMMALS--GENERAL

Hunt, Larry Martin. ENERGY FLOW IN ANIMAL POPULATIONS. *Ph. D. thesis, Oreg. State Univ.* 125 p. 1975. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 12*
"Mice and deer."

Pasanen, Seppo Kalevi. SEASONAL VARIATIONS IN INTERSCAPULAR BROWN FAT IN THREE SPECIES OF SMALL MAMMALS WINTERING IN AN ACTIVE STATE. *Ph. D. thesis, Oulu Univ.* (Finland). 1971. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975. Dissertation available for consultation in the library of Oulu University, Kasarmintie 7, Oulu, Finland.] *WR 157: 12*
"Sorex araneus, Clethrionomys glareolus and *Microtus agrestis."*

Weeks, Harmon Patrick. PHYSIOLOGICAL, MORPHOLOGICAL, AND BEHAVIORAL ADAPTATIONS OF WILD HERBIVOROUS MAMMALS TO A SODIUM-DEFICIENT ENVIRONMENT. *Ph. D. thesis, Purdue Univ.* 440 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 12*
"Odocoileus virginiana, Sciurus niger and *Marmota monax."*

MAMMALS--TECHNIQUES

Moore, Tommy D., Liter E. Spence, and Charles E. Dugnolle. IDENTIFICATION OF THE DORSAL GUARD HAIRS OF SOME MAMMALS OF WYOMING. *Wyo. Game Fish Dep.* x + 177 p., 74 figs. 1974. *WR 157: 12*
[Game & Fish Res. Lab., Box 3312, University Station, Laramie, Wyo. 82071]

Munday, B. L., A. Corbould, and G. Goodsall. IDENTIFICATION OF MUSCLE TISSUE FROM MAMMALS. *J. Wildl. Manage.* 38(4): 844-886, 2 figs. Oct. 1974. *WR 157: 12*
[Mt. Pleasant Laboratories, Launceston South, Tasmania 7520, Australia]
"Cervus dama, domestic animals, kangaroo and wallaby."

Van Bree, P.J.H., R.W.M. Van Soest, and L. Stroman. TOOTH WEAR AS AN INDICATION OF AGE IN BADGERS *(MELES MELES* L.) AND RED FOXES *(VULPES VULPES* L.). *Z. Saeugetierkd.* 39(4): 243-248, illus. 1974. [From Biol. Abstr. 59(3), 1975. In English with German summ.] *WR 157: 12*
[Univ. Amsterdam, 53 Plantage Middenlaan, NL Amsterdam 1004, Netherlands]

Viaud, P., and Y. Le Cain. AN APPARATUS FOR RECORDING ANIMAL MOTOR ACTIVITY. *Behaviour* 52(3-4): 313-316, 3 figs. 1975. In English with French summ. *WR 157: 12*
[Lab. Biocoenotique, Faculté de Sciences, Tours, France]

MAMMALS--FAUNAS & MANUALS

Baker, Rollin H. RECORDS OF MAMMALS FROM ECUADOR. *Publ. Mus. Mich. State Univ. Biol. Ser.* 5(2): 129-146. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 12*
[Mich. State Univ., East Lansing 48824]

Fassler, David J. MAMMALS OF PULASKI COUNTY, KENTUCKY. *Trans. Ky. Acad. Sci.* 35(1/2): 37-43, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 12*
[Prudential Insurance Co., 621 S. 10th St., Bozeman, Mont. 59715]

Jones, J. Knox, Jr., Dilford C. Carter, and Hugh H. Genoways. REVISED CHECKLIST OF NORTH AMERICAN MAMMALS NORTH OF MEXICO. *Occas. Pap. Mus. Tex. Tech Univ.* no. 28. 14 p. 7 Mar. 1975. *WR 157: 12*

Lopez-Forment-C., William, Cornelio Sanchez-Hernandez, and Bernardo Villa-Ramirez. ALGUNOS MAMIFEROS DE LA REGION DE CHAMELA, JALISCO, MEXICO. [SOME MAMMALS OF THE CHAMELA, JALISCO, MEXICO.] *An. Inst. Biol. Univ. Nac. Auton. Mex. Ser. Zool.* 42(1): 99-106. 1971(1973). [From Biol. Abstr. 59(3), 1975. In Spanish with English summ.] *WR 157: 12*
[Inst. Biol., Univ. Nac. Auton. Mex., Ciudad Univ., Villa Obregon, Mexico 20, D.F., Mexico] *"Nyctomys sumichrasti colimensis, Spilogale pigmaea pigmaea* and *Felis yagouaroundi tolteca."*

Watts, C.H.S., and Heather J. Aslin. NOTES ON THE SMALL MAMMALS OF NORTH-EASTERN SOUTH AUSTRALIA AND SOUTH-WESTERN QUEENSLAND. *Trans. Roy. Soc. S. Aust.* 98(2): 61-69, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 13*
[Inst. Med. and Vet. Sci., Frome Road, Adelaide, South Australia 5000, Australia] *"Sminthopsis crassicaudata, S. froggatti, Antechinomys spenceri, Dasyuroides byrnei, Notomys alexis, N. cervinus, N. fuscus, Pseudomys forresti, P. hermannsburgensis, P. australis, Rattus sordidus* and *Macrotis lagotis."*

Wilson, John W. III. ANALYTICAL ZOOGEOGRAPHY OF NORTH AMERICAN MAMMALS. *Evolution* 28(1): 124-140, illus. 1974. [From Biol. Abstr. 58(11), 1974.] *WR 157: 13*
[George Mason Univ., Fairfax, Va. 22030]

MAMMALS--POPULATIONS, HOME RANGES, COMMUNITIES

Davis, Charles A., Joel A. Medlin, and James P. Griffing. ABUNDANCE OF BLACK-TAILED JACKRABBITS, DESERT COTTONTAIL RABBITS, AND COYOTES IN SOUTHEASTERN NEW MEXICO. *N. Mex. State Univ. Agric, Exp. Stn. Res. Rep.* 293. 8 p., 2 figs. Jan. 1975. *WR 157: 13*
[N. Mex. State Univ., Las Cruces] *"Lepus californicus, Sylvilagus audubonii* and *Canis latrans."*

Krefting, Laurits W., and Clifford E. Ahlgren. SMALL MAMMALS AND VEGETATION CHANGES AFTER FIRE IN A MIXED CONIFER-HARDWOOD FOREST. *Ecology* 55(6): 1391-1398, 5 figs. Autumn 1974. *WR 157: 13*
[Univ. Minn., St. Paul 55108] *"Peromyscus maniculatus, Clethrionomys gapperi, Microtus pennsylvanicus, Zapus hudsonius, Tamias striatus* and *Sorex cinereus."*--Courtesy/ Paul A. Stewart.

Perry, Horace Randolph, Jr. TRAP RESPONSES OF THE GRAY SQUIRREL *(SCIURUS CAROLINENSIS CAROLINENSIS)*, RACCOON *(PROCYON LOTOR LOTOR)*, AND OPOSSUM *(DIDELPHIS VIRGINIANA VIRGINIANA)* TO ENVIRONMENTAL FACTORS IN TWO SWAMP WATERSHEDS OF NORTH-EASTERN NORTH CAROLINA. *Ph. D. thesis, N.C. State Univ.* (Raleigh) 205 p. 1974 [From Diss. Abstr. Int. B Sci. Eng. 35(11, 1975.] *WR 157: 13*

Poulet, A. R. RECHERCHES ECOLOGIQUES SUR UNE SAVANE SAHELIENNE DU FERLO SEPTENTRIONAL, SENEGAL: QUELQUES EFFETS DE LA SECHERESSE SUR LE PEUPLEMENT MAMMALIEN. [ECOLOGICAL RESEARCH ON A DRY THORNBUSH SAVANNA OF THE FERLO SEPTENTRIONAL, SENEGAL: SOME EFFECTS OF THE DROUGHT UPON THE MAMMALIAN POPULATION.] *Terre Vie* 28(1): 124-130, 1 fig. Jan.-Mar. 1974. In French with English summ. *WR 157: 13*
[Cent. ORSTOM, B.P. 1386, Dakar, Senegal.]

MAMMALS--PARASITES & DISEASES

Lord, Rexford D., Horacio Delpietro, Eduardo Fuenzalida, Ana Maria Oviedo De Diaz, and Luis Lazaro. PRESENCE OF RABIES NEUTRALIZING ANTIBODIES IN WILD CARNIVORES FOLLOWING AN OUTBREAK OF BOVINE RABIES. *J. Wildl. Dis.* 11(2): 210-213. Apr. 1975. *WR 157: 13*
[Pan American Zoonoses Cent., Casilla 23, Ramos Mejia, Province of Buenos Aires, Argentina] *"Desmodus rotundus, Dusicyon gymnocercus,* and *Conepatus chinga."*

Neiland, Kenneth A. FURTHER OBSERVATIONS ON RANGIFERINE BRUCELLOSIS IN ALASKAN CARNIVORES. *J. Wildl. Dis.* 11(1): 45-53, [1 fig.] Jan. 1975. *WR 157: 13*
[Alaska Dep. Fish & Game, Fairbanks 99701] *"Canis lupus, Vulpes fulva* and *Ursus arctos horribilis."*

O'Farrell, Thomas P. SMALL MAMMALS, THEIR PARASITES AND PATHOLOGIC LESIONS ON THE ARID LANDS ECOLOGY RESERVE BENTON COUNTY, WASHINGTON. *Am. Midl. Nat.* 93(2): 377-387, 1 fig. Apr. 1975. *WR 157: 13*
[Univ. Nev., Boulder City 89005]

Ramsden, Robert O., and Paul J. A. Presidente. *PARAGONIMUS KELLICOTTI* INFECTION IN WILD CARNIVORES IN SOUTHWESTERN ONTARIO: I. PREVALENCE AND GROSS PATHOLOGIC FEATURES. *J. Wildl. Dis.* 11(1): 136-141, 3 figs. Jan. 1975. *WR 157: 14*
[Ontario Min. Natural Resour., Maple, Ontario, Canada] *"Mephitis mephitis, Vulpes fulva, Procyon lotor, Mustela vison* and *Mustela* spp."

Riemann, H. P., J. A. Howarth, R. Ruppanner, C. E. Franti, and D. E. Behymer. TOXOPLASMA ANTIBODIES AMONG BOBCATS AND OTHER CARNIVORES OF NORTHERN CALIFORNIA. *J. Wildl. Dis.* 11(2): 272-276. Apr. 1975. *WR 157: 14*
[Univ. Calif., Davis 95616] *"Lynx rufus, Procyon lotor, Taxidea taxus, Canis latrans* and *Urocyon cinereoargenteus."*

SHREWS, MOLES, BATS

Bogan, Michael. GEOGRAPHIC VARIATION IN *MYOTIS CALIFORNICUS* IN THE SOUTHWESTERN UNITED STATES AND MEXICO. *U. S. Fish Wildl. Serv. Wildl. Res. Rep.* 3. iv + 31 p., 10 figs. 1975. *WR 157: 14*
[Natl. Mus. Nat. Hist., Washington, D. C. 20560]

Campbell, C.B.G. ON THE PHYLETIC RELATIONSHIPS OF THE TREE SHREWS. *Mammal Rev.* 4(4): 125-143, 1 fig. Dec. 1974. *WR 157: 14*
[Univ. Va., Charlottesville] "Tupaiidae."

Corgan, James X. PLEISTOCENE BATS OF TENNESSEE. *Am. Midl. Nat.* 93(2): 503. Apr. 1975. *WR 157: 14*
[Tenn. Div. Geol., G-5 State Office Bldg., Nashville 37219] Abstract: Tennessee caves yielded at least six species of Pleistocene (Wisconsin) bats.

Dryden, Gilbert L., Marek Gębczyński, and E. L. Douglas. OXYGEN CONSUMPTION BY NURSLING AND ADULT MUSK SHREWS. *Acta Theriol.* 19(30): 453-461, 1 fig. Nov. 1974. In English with Polish summ. *WR 157: 14*
[Slippery Rock State Coll., Slippery Rock, Pa. 16057] *"Suncus murinus."*

Fons, R. METHODES DE CAPTURE ET D'ELEVAGE DE LA PACHYURE ETRUSQUE *SUNCUS ETRUSCUS* (SAVI, 1822) (INSECTIVORA, SORICIDAE). [METHODS OF CAPTURE AND OF REARING OF THE ETRUSCAN SHREW *SUNCUS ETRUSCUS* (SAVI, 1822) (INSECTIVORA, SORICIDAE).] *Z. Saeugetierkd.* 39(4); 204-210, illus. 1974. [From Biol. Abstr. 59(3) 1975. In French with German and English summ.] *WR 157: 14*
[Lab. Arago, 66650 Banyuls-sur-Mer, France]

Fons, Roger. LE REPERTOIRE COMPORTEMENTAL DE LA PACHYURE ETRUSQUE, *SUNCUS ETRUSCUS* (SAVI, 1822). [THE BEHAVIORAL REPERTOIRE OF THE WHITE-TOOTHED SHREW *SUNCUS ETRUSCUS* (SAVI, 1822).] *Terre Vie* 28(1): 131-157, 7 figs. Jan.-Mar. 1974. In French with English summ. *WR 157: 14*
[Lab. Arago, 66650 Banyuls-sur-Mer, France]

Haensel, Joachim. UEBER DIE SAISONWANDERUNG DER WASSERFLEDERMAEUSE, *MYOTIS DAUBENTONI* (LEISL.), AUSGEHEND VOM MASSENWINTERQUARTIER RUEDERSDORF (MAMMALIA, CHIROPTERA). [ON THE SEASONAL MIGRATION OF *MYOTIS DAUBENTOINI* (LEISL.), STARTING AT THE MASS WINTER SHELTER AT RUEDERSDORF (MAMMALIA, CHIROPTERA).] *Zool. Abh.* (Dresden) 32(15): 249-255, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 14*
[Tierpark Berl., Am Tierpark 125, DDR-1136 Berlin-Friedrichsfelde, East Germany]

Herter, Konrad. DER IGEL VON FUERTEVENTURA. [THE HEDGEHOG OF FUERTEVENTURA.] *Zool. Beitr.* 20(1): 147-150, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 14*
[Wrangelstr. 5, Steglitz, 1 Berlin 41, West Germany] *"Aethechinus algirus caniculus."*

Hill, J. E. NEW RECORDS OF BATS FROM SOUTHEASTERN ASIA, WITH TAXONOMIC NOTES. *Bull. Br. Mus. Nat. Hist. Zool.* 27(2): 127-138. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 15*
[British Mus., Cromwell Road, London SW75BD, England] *"Rhinolophus pusillus, R. acuminatus, Chironax melanocephalus, Myotis horsfieldii, Miniopterus medius macrocneme, Pipistrellus circumdatus, Philetor brachypterus, Phoniscus atrox* and *Tadarida johorensis."*

Karstad, L. CYTOMEGALIC INCLUSION DISEASE IN THE EAST AFRICAN HEDGEHOG. *J. Wildl. Dis.* 11(2): 187-188, 2 figs. Apr. 1975. *WR 157: 15*
[Univ. Guelph, Guelph, Ontario, Canada N1G 2W1] *"Atelerix albiventris."*

Karulin, B. E., L. A. Khlyap, N. A. Nikitina, Yu. V. Kovalevskii, E. B. Teslenko, and S. A. Al'bov. [ACTIVITY AND USE OF REFUGES OF THE COMMON SHREW (FROM OBSERVATIONS OF ANIMALS LABELLED WITH RADIOACTIVE COBALT).] *Byull. Mosk. O-va. Ispyt. Prir. Otd. Biol.* 79(1): 65-72, illus. 1974. [From Biol. Abstr. 59(3), 1975. In Russian with English summ.] *WR 157: 15*
"Sorex araneus."

Kirk, Gustav. DERGESETZLICHE FLEDERMAUSSCHUTZ IN DER WELT. [THE LEGAL PROTECTION OF BATS WORLDWIDE.] *Waldhygiene* 8(1-4): 101-102. 1969. In German with English summ. *WR 157: 15*
[3221 Hohenbüchen 31, West Germany]

McNab, Brian K. THE BEHAVIOR OF TEMPERATE CAVE BATS IN A SUBTROPICAL ENVIRONMENT. *Ecology* 55(5): 943-958, 14 figs. Late Summer 1974. *WR 157: 15*
[Univ. Fla. Gainesville 32611] *"Pipistrellus subflavus, Myotis grisescens,* and *M. austroriparius."*--Courtesy/ Paul A. Stewart.

Nair, S.S., M. Balakrishnan, and K. M. Alexander. AN ACTIVITY RECORDER FOR SMALL MAMMALS, WITH A NOTE ON ACTIVITY PATTERN OF THE INDIAN MUSK SHREW *SUNCUS MURINUS VIRIDESCENS* (BLYTH). *J. Anim. Morphol. Physiol.* 20(1/2): 117-122, illus. 1973. [From Biol. Abstr. 59(2), 1975.] *WR 157: 15*
[Univ. Kerala, Kariyavattom, Kerala, India]

O'Farrell, Michael J., and Eugene H. Studier. POPULATION STRUCTURE AND EMERGENCE ACTIVITY PATTERNS IN *MYOTIS THYSANODES* AND *M. LUCIFUGUS* (CHIROPTERA: VESPERTILIONIDAE) IN NORTHEASTERN NEW MEXICO. *Am. Midl. Nat.* 93(2): 368-376, 1 fig. Apr. 1975. *WR 157: 15*
[Univ. Nev., Las Vegas 89154]

Peterson, R. L., and David W. Nagorsen. CHROMOSOMES OF FIFTEEN SPECIES OF BATS (CHIROPTERA) FROM KENYA AND RHODESIA. *Roy. Ont. Mus. Life Sci. Occas. Pap.* no. 27. 15 p., 5 figs. 18 Apr. 1975. Price 60¢. *WR 157: 15*
[Univ. Toronto, Toronto, Ontario, Canada]

Piccinini, Rogerio Serra. LISTA PROVISORIA DOS QUIROPTEROS DA COLECAO DO MUSEU PARAENSE EMILIO GOELDI (CHIROPTERA). [PROVISIONAL LIST OF THE CHIROPTERA OF THE COLLECTION OF THE PARA MUSEUM EMILIO GOELDI (CHIROPTERA).] *Bol. Mus. Parense Emilio Goeldi Nova Ser. Zool.* 77. p. 1-32. 1974. [From Biol. Abstr. 59(2), 1975. In Portuguese with English summ.] *WR 157: 15*
[Cent. Pesqui. Zoopatol., Minist. Agric., Recife, Pernambuco, Brazil]

Refseth, Dagfinn, Kjetil Bevanger, and Are Fagerhaug. FUNN AV LITEN DVERGSPISSMUS I SJODALEN, VAGA. [DISCOVERY OF THE LEAST SHREW, *SOREX MINUTISSIMUS* ZIMMERMANN, 1780, FROM SJODALEN, SOUTH NORWAY.] *Fauna* (Oslo) 27(2): 81-84, illus. 1974. [From Biol. Abstr. 59(2), 1975. In Norwegian with English summ.] *WR 157: 15*
[Univ. Trondheim, Rosenborg, N-7000 Trondheim, Norway]

Roer, Hubert. ZUR LEBENSWEISE EINIGER MICROCHIROPTEREN DER NAMIBWUESTE (MAMMALIA, CHIROPTERA). [ON THE HABITS OF SEVERAL MICROCHIROPTERA OF THE NAMIB DESERT (MAMMALIA, CHIROPTERA).] *Zool. Abh.* (Dresden) 32(4): 43-55, illus. 1971

(1973). [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 16*
[Zool. Forschungsinst. Mus. A. Koenig, Adenauerallee 150-164, BRD-53 Bonn, West Germany] *"Eptesicus hottentotus pallidior, E. zuluensis vansoni, Sauromys petrophilus erongensis* and *Nycteris thebaica damarensis."*

Rumke, C. G. A NEW *DESMANELLA* SPECIES (TALPIDAE, INSECTIVORA) FROM THE TUROLIAN OF CONCUD AND LOS MANSUETOS (PROV. OF TERUEL, SPAIN). *Proc. K. Ned. Akad. Wet. Ser. B Phys. Sci.* 77(4): 359-374, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 16*
"Desmanella crusafonti."

Schmidt, U. DIE SOZIALEN LAUTE JUVENILER VAMPIRFLEDERMAEUSE *(DESMODUS ROTUNDUS)* UND IHRER MUETTER. [SOCIAL CALLS OF JUVENILE VAMPIRE BATS *(DESMODUS ROTUNDUS)* AND THEIR MOTHERS.] *Bonn. Zool. Beitr.* 23(4): 310-316, illus. 1972. [From Biol. Abstr. 59(3), 1975.] *WR 157: 16*
[Popplesdorfer Schloss, Zool. Inst., 53 Bonn, West Germany]

Tuttle, Merlin D. POPULATION ECOLOGY OF THE GRAY BAT *(MYOTIS GRISESCENS)*: FACTORS INFLUENCING EARLY GROWTH AND DEVELOPMENT. *Occas. Pap. Mus. Nat. Hist. Univ. Kans.* no. 36. p. 1-24, 5 figs. 16 Apr. 1975. *WR 157: 16*
[Univ. Kans., Lawrence 66045]

Tuttle, Merlin D., and Lawrence R. Heaney. MATERNITY HABITS OF *MYOTIS LEIBII* IN SOUTH DAKOTA. *Bull. South. Calif. Acad. Sci.* 73(2): 80-83, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 16*
[Univ. Kans., Lawrence 66045]

Vauk, G. FLEDERMAUSBEOBACHTUNGEN AUF DER INSEL HELGOLAND. [BAT-RECORDS ON THE ISLAND OF HELGOLAND.] *Z. Saeugetierkd.* 39(3): 133-135. 1974. [From Biol. Abstr. 59(2), 1975. In German with English summ.] *WR 157: 16*
[Inst. Vogelforsch. "Vogelwarte Helgol.", D-2192 Helgoland, West Germany] *"Pipistrellus pipistrellus, P. nathusii, Vespertilio serotinus* and *Nyctalus noctula."*

Young, Allen M. CORRECTION ON MORTALITY IN COLONIES OF LESSER SAC-WINGED BAT, *SACCOPTERYX BILINEATA PERSPICILLIFER*. *Am. Midl. Nat.* 93(2): 512. Apr. 1975. *WR 157: 16*
[Lawrence Univ., Appleton, Wis. 54911]

RABBITS & PIKAS

Bayfield, N. G., and R. Hewson. AUTOMATIC MONITORING OF TRAIL USE BY MOUNTAIN HARES. *J. Wildl. Manage.* 39(1): 214-217, 2 figs. Jan. 1975. *WR 157: 16*
[Inst. Terrestrial Ecol., Banchory, Scotland] *"Lepus timidus."*

Brittain, Philip C., and David R. Voth. PARASITES OF THE BLACK-TAILED JACK-RABBIT IN NORTH CENTRAL COLORADO. *J. Wildl. Dis.* 11(2): 269-271. Apr. 1975. *WR 157: 16*
[Metropolitan State Coll., Denver, Colo. 80204] *"Lepus californicus melanotis."*

Cushwa, C. T., and K. P. Burnham. AN INEXPENSIVE LIVE TRAP FOR SNOWSHOE HARES. *J. Wildl. Manage.* 38(4): 939-941, 1 fig. Oct. 1974. *WR 157: 16*
[Div. Forest Environ. Res., U. S. Forest Serv., Washington, D. C. 20250] *"Lepus americanus."*

Feist, Dale D., and Mario Rosenmann. SEASONAL SYMPATHO-ADRENAL AND METABOLIC RESPONSES TO COLD IN THE ALASKAN SNOWSHOE HARE *(LEPUS AMERICANUS MACFARLANI)*. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 449-455, 4 figs. 1 June 1975. *WR 157: 16*
[Univ. Alaska, Fairbanks 99701]

Feng, Tso-Chien. [A NEW SPECIES OF *OCHOTONA* (OCHOTONIDAE, MAMMALIA) FROM MOUNT JOLMO-LUNGMA AREA.] *Acta Zool. Sin.* 19(1): 69-75, illus. 1973. [From Biol. Abstr. 59(2), 1975. In Chinese with English summ.] *WR 157: 16*
[Acad. Sin., Peking, China] *"Ochotona himalayana."*

RABBITS & PIKAS--Continued

Lindlöf, Bengt, Erik Lindström, and Åke Pehrson. NUTRIENT CONTENT IN RELATION TO FOOD PREFERRED BY MOUNTAIN HARE. *J. Wildl. Manage.* 38(4): 875-879, 1 fig. Oct. 1974. *WR 157: 17*
[Univ. Stockholm, 113 86 Stockholm, Sweden] *"Lepus timidus."*

Mykytowycz, R., and E. R. Hesterman. AN EXPERIMENTAL STUDY OF AGGRESSION IN CAPTIVE EUROPEAN RABBITS, *ORYCTOLAGUS CUNICULUS* (L.). *Behaviour* 52(1-2): 104-123, 6 figs. + 5 pls. 1975. In English with German summ. *WR 157: 17*
[Div. Wildl. Res., CSIRO, Canberra, Australia]

Payne, Neil F. RANGE EXTENSION OF THE MARSH RABBIT IN VIRGINIA. *Chesapeake Sci.* 16(1): 77-78. Mar. 1975. *WR 157: 17*
[Univ. Wash., Seattle 98195] *"Sylvilagus palustris palustris."*

Smith, Andrew T. THE DISTRIBUTION AND DISPERSAL OF PIKAS: INFLUENCES OF BEHAVIOR AND CLIMATE. *Ecology* 55(6): 1368-1376, 5 figs. Autumn 1974. *WR 157: 17*
[Univ. Miami, Coral Gables, Fla. 33124] *"Ochotona princeps."*-- Courtesy/ Paul A. Stewart.

RODENTS--MISCELLANEOUS

Baker, Robert J., and Hugh H. Genoways. A NEW SUBSPECIES OF *GEOMYS BURSARIUS* (MAMMALIA: GEOMYIDAE) FROM TEXAS AND NEW MEXICO. *Occas. Pap. Mus. Tex. Tech Univ.* no. 29. p. 1-18, 5 figs. 25 Apr. 1975. *WR 157: 17*
[Tex. Tech Univ., Lubbock 79409] *"Geomys bursarius knoxjonesi."*

Barry, William James. THE EFFECT OF PHOTOPERIOD AND TEMPERATURE ON FOOD HOARDING IN DEERMICE *(PEROMYSCUS). Ph. D. thesis, Univ. Mich.* 165 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 17*
"Peromyscus leucopus noveboraceneis, P.l. castaneus, P. maniculatus bairdi, P.m. blandus, and *P. eremicus eremicus."*

Batzli, George O. INFLUENCE OF HABITAT STRUCTURE ON A POPULATION OF VOLES. *Bull. South. Calif. Acad. Sci.* 73(2): 83-85. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 17*
[Univ. Ill., Urbana 61801] *"Microtus californicus."*

Baverstock, Peter R., and C.H.S. Watts. WATER BALANCE OF SMALL LACTATING RODENTS--I. *AD LIBITUM* WATER INTAKES AND EFFECTS OF WATER RESTRICTION ON GROWTH OF YOUNG. *Comp. Biochem. Physiol. A Comp. Physiol.* 50(4): 819-825, 8 figs. 1 Apr. 1975. *WR 157: 17*
[Inst. Med. & Veterinary Sci., Frome Road, Adelaide, South Australia 5000, Australia] *"Notomys alexis, N. cervinus, N. mitchellii, Pseudomys australis* and *Mus musculus."*

Bloom, John C., John G. Rogers, Jr., and Owen Maller. TASTE RESPONSES OF THE NORTH AMERICAN PORCUPINE *(ERETHIZON DORSATUM). Physiol. Behav.* 11(1): 95-98, 5 figs. 1973. *WR 157: 17*
[Univ. Pa., Philadelphia 19104]

Bradford, David F. WATER STRESS OF FREE-LIVING *PEROMYSCUS TRUEI. Ecology* 55(6): 1407-1414, 5 figs. Autumn 1974. *WR 157: 17*
[Dames & Moore, 1100 Glendon Ave., Los Angeles, Calif. 90024] The purpose of the present study was to determine the degree of water stress to which a small mammal is subjected in its natural environment and to gain information about the mechanism by which it maintains water balance under such stress.--Courtesy/ Paul A. Stewart.

Capeheart, John Ray. EFFECTS OF TEMPERATURE, PHOTOPERIOD AND HYPOTHYROIDISM ON THE REPRODUCTIVE SYSTEM OF THE FEMALE WOODRAT *(NEOTOMA MICROPUS). Ph. D. thesis, Tex. Tech Univ.* 92 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(10), 1975.] *WR 157: 17*

Christian, Donald P. VULNERABILITY OF MEADOW VOLES, *MICROTUS PENNSYLVANICUS*, TO PREDATION BY DOMESTIC CATS. *Am. Midl. Nat.* 93(2): 498-502, 1 fig. Apr. 1975. *WR 157: 18*
[Mich. State Univ., East Lansing 48824]

Dalby, Peter Lenn. ECOLOGY AND POPULATION DYNAMICS OF PAMPA RODENTS NEAR BALCARCE, ARGENTINA. *Ph. D. thesis, Mich. State Univ.* 212 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 18*
"Akodon azarae, Oryzomys nigripes, and *Oxymycterus rutilans."*

Dewsbury, Donald A. COPULATORY BEHAVIOR OF *PEROMYSCUS CRINITUS* AND *PEROMYSCUS FLORIDANUS*. *Am.Midl. Nat.* 93(2): 468-471. Apr. 1975. *WR 157: 18*
[Univ. Fla., Gainesville 32601]

Dieterich, Robert A. THE COLLARED LEMMING *(DICROSTONYX STEVENSONI* NELSON*)* IN BIOMEDICAL RESEARCH. *Lab. Anim. Sci.* 25(1): 48-54, 2 figs. Feb. 1975. *WR 157: 18*
[Univ. Alaska, Fairbanks 99701]

Dieterlen, Von F. BEMERKUNGEN ZUR SYSTEMATIK DER GATTUNG *PELOMYS* (MURIDAE; RODENTIA) IN AETHIOPIEN. [NOTES ON THE SYSTEMATICS OF THE GENUS *PELOMYS* (MURIDAE; RODENTIA) IN ETHIOPIA.] *Z. Saeugetierkd.* 39(4): 229-231. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 18*
[Staatl. Naturkundenmus., Schloss Rosenstein, D-7 Stuttgart 1, West Germany]

Fedyk, Anna. GROSS BODY COMPOSITION IN POSTNATAL DEVELOPMENT OF THE BANK VOLE. I. GROWTH UNDER LABORATORY CONDITIONS. *Acta Theriol.* 19(26): 381-401, 6 figs. Nov. 1974. In English with Polish summ. *WR 157: 18*
[Mammals Res. Inst., Polish Acad. Sci., 17-203 Białowieża, Poland] *"Clethrionomys glareolus."*

Fedyk, Anna. GROSS BODY COMPOSITION IN POSTNATAL DEVELOPMENT OF THE BANK VOLE. II. DIFFERENTIATION OF SEASONAL GENERATIONS. *Acta Theriol.* 19(27): 403-427, 8 figs. Nov. 1974. In English with Polish summ. *WR 157: 18*
[Mammals Res. Inst., Polish Acad. Sci., 17-203 Białowieża, Poland] *"Clethrionomys glareolus."*

Fedyk, Anna. GROSS BODY COMPOSITION IN POSTNATAL DEVELOPMENT OF THE BANK VOLE. III. ESTIMATING AGE. *Acta Theriol.* 19(28): 429-440, 5 figs. Nov. 1974. In English with Polish summ. *WR 157: 18*
[Mammals Res. Inst., Polish Acad. Sci., 17-203 Białowieża, Poland] *"Clethrionomys glareolus."*

Figala, Jaroslav. BIORYTMISKA FENOMEN HOS DEN SIBIRISKA HAMSTERN *(PHODOPUS SUNGORUS* PALLAS*)* VID POLCIRKELN. [BIORHYTHMIC PHENOMENA OF THE DSUNGARIAN HAMSTER *(PHODOPUS SUNGORUS* PALLAS*)* AT THE POLAR CIRCLE.] *Fauna Flora* 67(5): 207-210, illus. 1972. [From Biol. Abstr. 59(3), 1975. In Swedish with English summ.] *WR 157: 18*
[Ul. Frani Skrama 15, C. Budejovice, Czechoslovakia]

Futcher, Anthony Graham. BIOSYSTEMATICS OF THE *HEERMANNI* SUBGROUP A OF THE GENUS *DIPODOMYS* (RODENTIA: HETEROMYIDAE). *Ph. D. thesis, Loma Linda Univ.* 78 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 18*

Garten, Charles T., and Michael H. Smith. MOVEMENT BY OLDFIELD MICE AND POPULATION REGULATION. *Acta Theriol.* 19(32): 513-514, 1 fig. Nov. 1974. In English. *WR 157: 18*
[Savannah River Ecol., Lab., P. O. Drawer E, Aiken, S.C. 29801]

Hasler, John Frederick. REPRODUCTION OF THE COLLARED LEMMING, *DICROSTONYX GROENLANDICUS*. *Ph. D. thesis, Univ. Ill.*(Urbana-Champaign). 266 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975] *WR 157: 18*

Hilborn, Ray William. FATES OF DISAPPEARING INDIVIDUALS IN FLUCTUATING POPULATIONS OF *MICROTUS TOWNSENDI*. *Ph. D. thesis, Univ. British Columbia.* 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975. To obtain a microfiche copy, order directly from the National Library of Canada at Ottawa.] *WR 157: 19*

Hill, Richard W. DAILY TORPOR IN *PEROMYSCUS LEUCOPUS* ON AN ADEQUATE DIET. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 413-423, 5 figs. 1 June 1975. *WR 157: 19*
[Mich. State Univ., East Lansing 48824]

Hubbard, C. Andresen. OBSERVATIONS ON THE LIFE HISTORIES AND BEHAVIOUR OF SOME SMALL RODENTS FROM TANZANIA. *Zool. Afr.* 7(2): 419-449, illus. 1972. [From Biol. Abstr. 59(2), 1975,] *WR 157: 19*
[15115 S.W. 74th Ave., Tigard 53, Oregon] *"Acomys* spp., *Aethomys* spp., *Arvicanthis* spp., *Cricetomys* spp., *Beamys hindei, Dasymys incomtus, Dendromus* spp., *Gerbillus* spp., *Graphiurus* spp., *Leggada* spp., *Lemniscomys* spp., *Lophuromys* spp., *Mastomys* spp., *Otomys* spp., *Pelomys* spp., *Praomys* spp., *Saccostomus* spp., *Tatera* spp., *Steatomys* spp., *Thamnomys* spp., *Thryonomys* spp., and *Zelotomys* spp."

Iverson, Stuart L., and Brian N. Turner. WINTER WEIGHT DYNAMICS IN *MICROTUS PENNSYLVANICUS*. *Ecology* 55(5): 1030-1041, 7 figs. Late Summer 1974. *WR 157: 19*
[Whiteshell Nuclear Research Establishment, Environmental Research Branch, Pinawa, Manitoba, Canada ROE 1LO] Courtesy/ Paul A. Stewart.

Janion, Stefan Mirosław. RELATION BETWEEN VARIATIONS IN NUMBERS OF ECTO-PARASITES AND VARIATIONS IN NUMBERS OF THEIR HOSTS. *Ekol. Pol.* 22(1): 121-131, 3 figs. 1974. In English with Polish summ. *WR 157: 19*
[Inst. Ecol., Polish Acad. Sci., Dziekanów Leśny near Warsaw, Poland] *"Clethrionomys glareolus."*

Kahmann, Herman, and Gesine Thoms. UEBER DEN GARTENSCHLAEFER, *ELIOMYS QUERCINUS* (LINNE, 1766), AUF DER INSEL MALLORCA, BALEAREN. [ON *ELIOMYS QUERCINUS* (L.) FROM THE ISLAND OF MAJORCA.] *Saeugetierkd. Mitt.* 22(2): 122-130, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 19*
[Univ. München, Luisenstr. 14, 8 München 2, West Germany]

Kay, Fenton Ray. INFLUENCE OF THE BURROW ENVIRONMENT ON BODY TEMPERATURE, OXYGEN CONSUMPTION AND WATER LOSS OF THE BANNER-TAILED KANGAROO RAT, *DIPODOMYS SPECTABILIS*. *Ph. D. thesis, N. Mex. State Univ.* 124 p. 1974. [From Diss. Abstr. Int. B Sci.Eng. 35(8), 1975.] *WR 157: 19*

Kisielewska, Krystyna, Drystyna Fraczak, Iwona Krasowska, and Zofia Zubczewska. STRUCTURE OF THE INTESTINAL HELMINTHOCOENOSIS IN THE POPULATION OF *MICROTUS ARVALIS* PALLAS, 1778, AND THE MECHANISMS OF ITS VARIABILITY. *Acta Parasitol. Pol.* 21(5): 71-83, 5 figs. 1973. In English with Polish summ. *WR 157: 19*
[Zaklad Parazyt. PAN, Warsaw 22, Poland]

Layne, James N. ECOLOGY OF SMALL MAMMALS IN A FLATWOODS HABITAT IN NORTH-CENTRAL FLORIDA, WITH EMPHASIS ON THE COTTON RAT *(SIGMODON HISPIDUS)*. *Am. Mus. Novit.* 2544. p. 1-48, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 19*
[Am. Mus. Nat. Hist., Archbold Biol. Stn., Lake Placid, Fla.] *"Didelphis virginiana, Cryptotis parva, Orysomys palustris, Reithrodontomys humulis, Peromyscus gossypinus, Rattus rattus, Lasiurus seminolus, Scalopus aquaticus, Sylvilagus floridanus, Procyon lotor* and *Geomys pinetis."*

Le Louarn, H., and F. Spitz. BIOLOGIE ET ECOLOGIE DU LEROT *ELIOMYS QUERCINUS* L. DANS LES HAUTES-ALPES. [BIOLOGY AND ECOLOGY OF THE GARDEN DORMOUSE *ELIOMYS QUERCINUS* IN THE HAUTES-ALPES.] *Terre Vie* 28(4): 544-563, 8 figs. Oct.-Dec. 1974. In French with English summ. *WR 157: 19*
[Lab. des Petits Vertébrés, I.N.R.A., 78350 Jouy-en-Josas, France]

Linzey, Donald W., and Alicia V. Linzey. NOTES ON PARASITES OF SMALL MAMMALS FROM GREAT SMOKY MOUNTAINS NATIONAL PARK, TENNESSEE-NORTH CAROLINA. *J. Elisha Mitchell Sci. Soc.* 89(1/2): 120. 1973. [From Biol. Abstr. 59(2), 1975.] *WR 157: 20*
[Univ. South Ala., Mobile 36688] *"Sciurus carolinensis,* and *Microtus chrotorrhinus carolinensis."*

MacLean, S. F., Jr., B. M. Fitzgerald, and F. A. Pitelka. POPULATION CYCLES IN ARCTIC LEMMINGS: WINTER REPRODUCTION AND PREDATION BY WEASELS. *Arct. Alp. Res.* 6(1): 1-12, 2 figs. 1974. *WR 157: 20*
[Univ. Alaska, Fairbanks 99701] *"Lemmus trimucronatus* and *Dicrostonyx groenlandicus."*

Mares, Michael A. DESERT RODENT ECOLOGY: REVIEW FOR ORIGIN AND STRUCTURE OF ECOSYSTEMS CONVERGENT EVOLUTION RESEARCH PROGRAM. *Acta Zool. Lilloana* 30. p. 207-225. 1973. [From Biol. Abstr. 59(3), 1975. In English with Spanish summ.] *WR 157: 20*
[Univ. Tex., Austin 78712] *"Phyllotis darwini, P. griseoflavus, Calomys colossus, Eligmodontica typus, Oryzomys longicaudatus, Akodon varius, Microcavia australis, Ctenomys* sp., *Dipodomys, Perognathus, Thomomys, Peromyscus, Reithrodontomys, Onychomys, Baiomys, Neotoma,* and *Sigmodon."*

Marinina, L. S., and Kh. Babaev. [THE ECOLOGY OF THE SOCIAL VOLE, *(MICROTUS SOCIALIS PARADOXUS* OGNEV ET HEPTNER, 1928*)* IN THE TURKMENIAN SSR.] *Izv. Akad. Nauk. Turkm. SSR Ser. Biol. Nauk* 6. p. 60-63. 1973. [From Biol. Abstr. 59(3), 1975. In Russian with Turkmensk and English summ.] *WR 157: 20*
[Acad. Sci. Turkmensk SSR, Ashkhabad, USSR]

Mirza, Mirza Y., and Adnan Y. Al-Rawas. *EIMERIA TATERAE* SP. N. AND OTHER INTESTINAL PARASITES FROM THE ANTELOPE RAT, *TATERA INDICA* IN BAGHDAD DISTRICT. *J. Protozool.* 22(1): 23-24, 1 fig. Feb. 1975. *WR 157: 20*
[Univ. Baghdad, Baghdad, Iraq]

Mizushima, Syun'ichi, and Eiiti Yamada. [ON THE DISTRIBUTION AND FOOD HABITS OF THE MURID RODENTS IN AGROSYSTEMS IN HOKKAIDO.] *Jap. J. Appl. Entomol. Zool.* 18(2): 81-88, illus. 1974. [From Biol. Abstr. 59(3), 1975. In Japanese with English summ.] *WR 157: 20*
[Hokkaido Cent. Agric. Exp. Stn., Naganuma, Hokkaido 069-13, Japan] *"Clethrionomys rufocanus, Apodemus giliacus, A. argenteus, A. speciosus, Rattus norvegicus* and *Mus molossinus."*

Morris, John Gilbert. POPULATION ENERGETICS OF THE PRAIRIE DEER MOUSE *PEROMYSCUS MANICULATUS BAIRDII. Ph. D. thesis, Univ. Ill.* (Urbana-Champaign). 92 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 20*

Noble, Daniel L., and Robert A. Alexander. RODENT EXCLOSURES FOR THE SUB-ALPINE ZONE IN THE CENTRAL COLORADO ROCKIES. *USDA For. Serv. Res. Note RM-280.* 4 p., 2 figs. Feb. 1975. *WR 157: 20*
[Colo. State Univ., Fort Collins 80521] *"Peromyscus maniculatus, Microtus montanus, Phenacomys intermedius, Clethrionomys gapperi, Eutamias* spp., and *Thomomys talpoides."*

O'Farrell, Thomas P., Richard J. Olson, Richard O. Gilbert, and John D. Hedlund. A POPULATION OF GREAT BASIN POCKET MICE *PEROGNATHUS PARVUS,* IN THE SHRUB-STEPPE OF SOUTH-CENTRAL WASHINGTON. *Ecol. Monog.* 45(1): 1-28, 11 figs. Winter 1975. *WR 157: 20*
[Lab. Desert Biol., Univ. Nev., Date & Elm Sts., Boulder City, Nev. 89005] Courtesy/ Paul A. Stewart.

Ojasti, Juhani. REVISION PRELIMINAR DE LOS PICURES O AGUTIES DE VENEZUELA (RODENTIA, DASYPROCTIDAE). [A PRELIMINARY REVIEW OF VENEZUELAN AGOUTIS (RODENTIA, DASYPROCTIDAE).] *Mem. Soc. Cienc. Nat. LaSalle* 32(93): 159-204, illus. 1972. [From Biol. Abstr. 59(2), 1975. In Spanish with English summ.] *WR 157: 20*
"Dasyprocta agouti, D. fuliginosa, D. punctata, and *D. guamara."*

Penney, Dan Foster. BIOCHEMICAL GENETICS OF THE POCKET GOPHER GENUS *GEOMYS* AND ITS PHYLOGENETIC IMPLICATIONS. *Ph. D. thesis, North Tex. State Univ.* 103 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 21*
"Geomys bursarius, G. pinetus, G. arenarius and *G. personatus."*

Posamentier, H., and H. F. Recher. THE STATUS OF *PSEUDOMYS NOVAEHOLLANDIAE* (THE NEW HOLLAND MOUSE). *Aust. Zool.* 18(2): 66-71. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 21*
[Australian Mus., Sydney, New South Wales, Australia]

Potter, Gary Lee. THE POPULATION DYNAMICS, BIOENERGETICS, AND NUTRIENT CYCLING OF THREE SPECIES OF MICE IN THE HUBBARD BROOK EXPERIMENTAL FOREST, NEW HAMPSHIRE, U.S.A. *Ph. D. thesis, Dartmouth Coll.* 182 p. 1975. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 21*
"Peromyscus maniculatus, Napaeozapus insignis and *Clethrionomys gapperi."*

Ramsey, Paul Roger. SPATIAL AND TEMPORAL VARIATION IN GENETIC STRUCTURE OF INSULAR AND MAINLAND POPULATIONS OF *PEROMYSCUS POLIONOTUS*. *Ph. D. thesis, Univ. Ga.* 113 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 21*

Rintamaa, David Lee. DEMOGRAPHIC PATTERNS IN A POPULATION OF WHITE-FOOTED MICE *(PEROMYSCUS LEUCOPUS)*. *Ph. D. thesis, Bowling Green State Univ.* 36 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 21*

Rose, Robert Kent. REPRODUCTIVE, GENETIC AND BEHAVIORAL CHANGES IN POPULATIONS OF THE PRAIRIE VOLE *(MICROTUS OCHROGASTER)* IN EASTERN KANSAS. *Ph. D. thesis, Univ. Kans.* 144 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 21*

Schlitter, Duane A., and Henry W. Setzer. NEW RODENTS (MAMMALIA: CRICETIDAE, MURIDAE) FROM IRAN AND PAKISTAN. *Proc. Biol. Soc. Wash.* 86(14): 163-173. 1973. [From Biol. Abstr. 59(2), 1975.] *WR 157: 21*
[Smithson. Inst., Washington, D. C. 20560]

Schroder, Gene David. PERTURBATION ANALYSIS OF COMPETITION AND OVERLAP IN HABITAT UTILIZATION BETWEEN *DIPODOMYS ORDII* AND *DIPODOMYS MERRIAMI*. *Ph. D. thesis, Univ. N. Mex.* 59 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 21*

Schroepfer, Ruediger. VERGLEICHENDE OEKOLOGISCHE UNTERSUCHUNGEN ZUM WASSERBEDUERFNIS VON *APODEMUS TAURICUS* (PALLAS, 1811) UND *APODEMUS SYLVATICUS* (LINNE, 1758) (RODENTIA, MURIDAE). [COMPARATIVE ECOLOGICAL STUDIES ON WATER REQUIREMENTS OF *APODEMUS TAURICUS* (PALLAS, 1811) AND *APODEMUS SYLVATICUS* (LINNE, 1758) (RODENTIA, MURIDAE).] *Zool. Jahrb. Abt. Syst. Oekol. Georg. Tiere* 101(2): 236-248. illus. 1974. [From Biol. Abstr. 59(2), 1975. In German with English summ.] *WR 157: 21*
[Arb. Saeugetier-Oekol., Lampingstr. 3, 48 Bielefeld, West Germany]

Scotter, George W., and Norman M. Simmons. RANGE EXTENSIONS FOR THE BUSHY-TAILED WOOD RAT IN THE NORTHWEST TERRITORIES. *Can. Field-Nat.* 88: 489-490, 1 fig. 1974. *WR 157: 21*
[Canadian Wildl. Serv., Edmonton, Alberta, Canada] *"Neotoma cinerea."*

Smith, Andrew T. THE DISTRIBUTION AND DISPERSAL OF PIKAS: CONSEQUENCES OF INSULAR POPULATION STRUCTURE. *Ecology* 55(5): 1112-1119, 4 figs. Late Summer 1974. *WR 157: 21*
[Univ. Miami, Coral Gables, Fla. 33124] Courtesy/ Paul A. Stewart.

Sohalt, Lars F. WATER BALANCE OF MERRIAM'S KANGAROO RAT, *DIPODOMYS MERRIAMI*, DURING COLD EXPOSURE. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 369-372. 1 June 1975. *WR 157: 21*
[Univ. Nev., Boulder City 59005]

RODENTS--MISCELLANEOUS--Continued

Spitz, F., H. Le Louarn, and B. Dassonville. STANDARDISATION DES PIEGEAGES EN LIGNE POUR QUELQUES ESPECES DE RONGEURS. [STANDARDIZATION OF LINE TRAPPING TECHNIQUE FOR SEVERAL SPECIES OF RODENTS.] *Terre Vie* 28(4): 564-578, 2 figs. Oct.-Dec. 1974. In French with English summ. *WR 157: 22*

[Lab. des Petits Vertébrés, I.N.R.A. 78350 Jouy-en-Josas, France] *"Eliomys quercinus, Pitymys multiplex, Clethrionomys glareolus, Microtus arvalis, Apodemus sylvaticus* and *Taterillus pygargus."*

Truszkowski, Janusz. UTILIZATION OF NEST BOXES BY RODENTS. *Acta Theriol.* 19(29): 441-452, 1 fig. Nov. 1974. In English with Polish summ. *WR 157: 22*

[Inst. Ecol., Polish Acad. Sci., 64-003 Turew, Poland] A total of 10 species of small mammals of the orders *Insectivora, Rodentia* and *Carnivora* were found to use the boxes during the study period, and eight of these species used them for rearing their young.--From abstr.

Vener, Kirt Joseph. A COMPARATIVE STUDY OF THE EFFECTS OF DIFFERENT ENVIRONMENTAL TEMPERATURES ON THE WATER METABOLISM, OXYGEN COMSUMPTION, BODY WEIGHT, BODY COMPOSITION, PELLAGE AND TAIL LENGTH IN FOUR SPECIES OF SMALL MAMMALS. *Ph. D. thesis, Wayne State Univ.* 144 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 22*

Selected aspects of physiological and morphological responses were tested in *Mus musculus* (haired and hairless), *Meriones unguiculatus, Peromyscus maniculatus bairdii* and *Peromyscus polionotus rhoadsi* which had been conceived, raised and maintained at one of three environmental temperatures: 5, 23 or 33 degrees Centigrade.

Wang, Sung, and Chang-Lin Cheng. [NOTES ON CHINESE HAMSTERS (CRICETINAE).] *Acta Zool. Sin.* 19(1): 61-68, illus. 1973. [From Biol. Abstr. 59(2), 1975. In Chinese with English summ.] *WR 157: 22*

[Acad. Sin., Peking, China] *"Cricetulus kamensis, C. longicaudatus, C. kozlovi, C. lama,* and *C. alticola."*

Wieland, H. BEITRAEGE ZUR BIOLOGIE UND ZUM MASSENWECHSEL DER GROSSEN WUEHLMAUS *(ARVICOLA TERRESTRIS* L.*).* [CONTRIBUTIONS ABOUT BIOLOGY AND POPULATION DYNAMICS OF THE WATER-VOLE *(ARVICOLA TERRESTRIS* L.*).*] *Zool. Jahrb. Abt. Syst. Oekol. Geogr. Tiere* 100(3): 351-428, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 22*

[Berlin Akad. Landwirt-schaftswiss. DDR, Stahnsdorfer Damm 81, 1532 Kleinmachnow, East Germany]

RATTUS & MUS

Andrews, R. V., R. W. Belknap, and E. J. Keenan. DEMOGRAPHIC AND ENDOCRINE RESPONSES OF NORWAY RATS TO ANTIFERTILITY CONTROL. *J. Wildl. Manage.* 38(4): 868-874, 2 figs. Oct. 1974. *WR 157: 22*

[Creighton Univ., Omaha, Nebr. 68178] *"Rattus norvegicus."*

Carstairs, J. L. THE DISTRIBUTION OF *RATTUS VILLOSISSIMUS* (WAITE) DURING PLAGUE AND NON-PLAGUE YEARS. *Aust. Wildl. Res.* 1(2): 95-106, 1 fig. Dec. 1974 *WR 157: 22*

[Australian Natl. Univ., P. O. Box 4, Canberra, Australia]

Ehret, Gunter. SCHALLSIGNALE DER HAUSMAUS *(MUS MUSCULUS).* [SIGNAL-CALLS OF THE HOUSE MOUSE *(MUS MUSCULUS).*] *Behaviour* 52(1-2): 38-56, 8 figs. 1975. In German with English summ. *WR 157: 22*

Garrison, Melvyn V., and Brad E. Johns. ANTIFERTILITY EFFECTS OF SC-20775 IN NORWAY AND POLYNESIAN RATS. *J. Wildl. Manage.* 39(1): 26-29. Jan. 1975. *WR 157: 22*

[Denver Wildl. Res. Cent., Denver, Colo. 80225] *"Rattus norvegicus* and *R. exulans."*

Garrison, Melvyn Vaughn. NUTRITION AND BEHAVIORAL STUDIES WITH POLYNESIAN RATS. *Ph. D. thesis, W. Va. Univ.* 85 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 23*
"Rattus exulans."

Gregoire, Suzanne E., and Douglas E. Smith MOUSE-KILLING IN THE RAT: EFFECTS OF SENSORY DEFICITS ON ATTACK BEHAVIOUR AND STEREOTYPED BITING. *Anim. Behav.* 23(1): 186-191, 3 figs. Feb. 1975. *WR 157: 23*
[Washington Univ., St. Louis, Mo.]

Jackson, William B., Joe E. Brooks, Alan M. Bowerman, and Dale E. Kaukeinen. ANTICOAGULANT RESISTANCE IN NORWAY RATS. *Pest Control* 43(4): 12, 14-16, illus. Apr. 1975. *WR 157: 23*
[Bowling Green State Univ., Bowling Green, Ohio 43403] "To be continued."

Jain, A. P., Ishwar Prakash, and Bhagwan Dass Rana. BAITS FOR THE CONTROL OF THE SOFT-FURRED FIELD-RAT, *RATTUS MELTADA PALLIDIOR* RYLEY. *Z. Angew. Zool.* 61(2): 183-190. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 23*
[Cent. Arid Zone Res. Inst., Jodhpur, Rajasthan, India]

SCIURIDS

Abaturov, B. D., and T. A. Seredneva. [ROLE OF THE LITTLE SUSLIK IN THE FORMATION OF BIOLOGICAL PRODUCTION IN A SEMIDESERT.] *Ekologiya* 4(6): 66-69. 1973. [From Biol. Abstr. 59(3), 1975. In Russian.] *WR 157: 23*
[A.N. Severtsov Inst. Evol. Anim. Morphol. Ecol., Acad. Sci. USSR, Moscow, USSR]

Armitage, Kenneth B., and Jerry F. Downhower. DEMOGRAPHY OF YELLOW-BELLIED MARMOT POPULATIONS. *Ecology* 55(6): 1233-1245, 4 figs. Autumn 1974. *WR 157: 23*
[Univ. Kans., Lawrence 66045] *"Marmota flaviventris."*--Courtesy/ Paul A. Stewart.

Davidson, William R. *DIROFILARIAEFORMIA PULMONI* SP. N. (NEMATODA: ONCHOCERCIDAE) FROM THE EASTERN GRAY SQUIRREL *(SCIURUS CAROLINENSIS* GMELIN). *J. Parasitol.* 61(2): 351-354, 7 figs. Apr. 1975. *WR 157: 23*
[Univ. Ga., Athens 30602]

Doebel, John H., and Burd S. McGinnes. HOME RANGE AND ACTIVITY OF A GRAY SQUIRREL POPULATION. *J. Wildl. Manage.* 38(4): 860-867, 4 figs. Oct. 1974. *WR 157: 23*
[Loxahatchee Natl. Wildl. Refuge, Rt. 1, Box 278, Delray Beach, Fla. 33444]
"Sciurus carolinensis."

Dorrance, Michael John. THE ANNUAL CYCLE AND POPULATION DYNAMICS OF RICHARDSON'S GROUND SQUIRREL. *Ph. D. thesis, Univ. Wis.* (Madison) 150 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 23*

Eckerlin, Ralph Peter. STUDIES ON THE LIFE CYCLE OF *STRONGYLOIDES ROBUSTUS* CHANDLER, 1942, AND A SURVEY OF THE HELMINTHS OF CONNECTICUT SCIURIDS. *Ph. D. thesis, Univ. Conn.* 116 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975] *WR 157: 23*

Ickes, Roy Alan. AGONISTIC BEHAVIOR AND THE USE OF SPACE IN THE EASTERN CHIPMUNK, *TAMIAS STRIATUS. Ph. D. thesis, Univ. Pittsburgh.* 247 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 23*

Kavanau, J. Lee, and Carl E. Rischer. GROUND SQUIRREL BEHAVIOUR DURING A PARTIAL SOLAR ECLIPSE. *Boll. Zool.* 40(2): 217-221, illus. 1973. [From Biol. Abstr. 59(2), 1975.] *WR 157: 23*
[Univ. Calif., Los Angeles] *"Ammospermophilus leucurus."*

SCIURIDS--Continued

Lund, Gordon Frederick. TIME AND ENERGY BUDGETS BY TELEMETRY OF HEART RATE FROM FREE RANGING BLACK-TAILED PRAIRIE DOGS IN NATURAL AND IN MODEL ENVIRONMENTS. *Ph. D. thesis, Univ. Iowa* 177 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 24*
"Cynomys ludovicianus."

Morton, Martin L., Catherine S. Maxwell, and Charles E. Wade. BODY SIZE COMPOSITION, AND BEHAVIOR OF JUVENILE BELDING GROUND SQUIRRELS [*SPERMOPHILUS BELDINGI BELDINGI.*] *Great Basin Nat.* 34(2): 121-134, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 24*
[Occidental Coll., Los Angeles, Calif. 90041]

Nikol'skii, A. A. [GEOGRAPHIC VARIABILITY OF SOUND CALL RHYTHMIC ORGANIZATION IN MARMOTS OF THE GROUP BOBAC (RODENTIA, SCIURIDAE).] *Zool. Zh.* 53(3): 436-444, illus. 1974. [From Biol. Abstr. 59(2), 1975. In Russian with English summ.] *WR 157: 24*
[Moscow State Univ., Moscow, USSR]

Nixon, Charles M., Milford W. McClain, and Robert W. Donohoe. EFFECTS OF HUNTING AND MAST CROPS ON A SQUIRREL POPULATION. *J. Wildl. Manage.* 39(1): 1-25, 3 figs. Jan. 1975. *WR 157: 24*
[Ill. Nat. Hist. Surv., Urbana 61801] *"Sciurus carolinensis."*

Ondrick, Karen Ann. ASPECTS OF RENAL STRUCTURE AND FUNCTION IN HIBERNATING GROUND SQUIRRELS *(CITELLUS TRIDECEMLINEATUS)* AND WOODCHUCKS *(MARMOTA MONAX). Ph. D. thesis, Georgetown Univ.* 121 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 24*

Patton, David R. ESTIMATING FOOD CONSUMPTION FROM TWIGS CLIPPED BY THE ABERT SQUIRREL. *U. S. For. Serv. Res. Note RM-272.* 3 p., 1 fig. Dec. 1974. *WR 157: 24*
[Ariz. State Univ., Tempe] *"Sciurus aberti aberti."*

Patton, David R. NEST USE AND HOME RANGE OF THREE ABERT SQUIRRELS AS DETERMINED BY RADIO TRACKING. *USDA For. Serv. Res. Note RM-281.* 3 p., 1 fig. Feb. 1975. *WR 157: 24*
[Ariz. State Univ., Tempe] *"Sciurus aberti aberti."*

Reynolds, William A., and George Gavutis, Jr. *CAPILLARIA HEPATICA* IN A GROUND-HOG *(MARMOTA MONAX). J. Wildl. Dis.* 11(1): 13. Jan. 1975. *WR 157: 24*
[Box 194, Three Bridges, N.J. 08887]

Riedel, Dieter. REPRODUCTION, STRUCTURE AND HOST SPECIFICITY OF *TRYPANOSOMA (HERPETOSOMA) TAMIASI* SP. N. FROM THE EASTERN CHIPMUNK, *TAMIAS STRIATUS. J. Protozool.* 22(1): 8-17, 38 figs. Feb. 1975. *WR 157: 24*
[Dr. S. S. Desser, Univ. Toronto, Toronto, Canada M5S 1A1]

Slade, Norman A., and David F. Balph. POPULATION ECOLOGY OF UINTA GROUND SQUIRRELS. *Ecology* 55(5): 989-1003, 2 figs. Late Summer 1974. *WR 157: 24*
[Univ. Kans., Lawrence 66045] *"Spermophilus armatus."*--Courtesy/ Paul A. Stewart.

Winders, Robert Lee. HEMATOGENOUS ADJUSTMENTS TO SIMULATED HIGH ALTITUDE IN *MARMOTA FLAVIVENTRIS* AND *CALLOSPERMOPHILUS LATERALIS. Ph. D. thesis, Ind. Univ.* 128 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 24*

BEAVER

Byford, James L. BEAVERS IN TENNESSEE: CONTROL, UTILIZATION AND MANAGEMENT. *Univ. Tenn. Agric. Ext. Serv. Publ.* 687. 15 p., 22 figs. Mar. 1974. *WR 157: 24*
[Univ. Tenn., Knoxville]

BEAVER--Continued

Hill, Edward P. TRAPPING BEAVER AND PROCESSING THEIR FUR. *Ala. Coop. Wildl. Res. Unit. Zool-Entomol. Dep. Ser.* no. 1. 11 p. Oct. 1974. *WR 157: 25*
[Ala. Coop. Wildl. Res. Unit, Auburn]

Parsons, Gary R. EFFECT OF A 4-YEAR CLOSURE OF THE TRAPPING SEASON FOR BEAVER IN EASTERN WARREN COUNTY, NEW YORK. *N.Y. Fish Game J.* 22(1): 57-61. Jan. 1975 *WR 157: 25*
"Castor canadensis."

MUSKRAT & NUTRIA

Ruprecht, Andrzej L. CRANIOMETRIC VARIATIONS IN CENTRAL EUROPEAN POPULATIONS OF *ONDATRA ZIBETHICA* (LINNAEUS, 1766). *Acta Theriol.* 19(31): 463-507, 11 figs. Nov. 1974. In English with Polish summ. *WR 157: 25*
[Mammals Res. Inst., Polish Acad. Sci., 17-230 Białowieża, Poland]

Willner, Gale R., Joseph A. Chapman, and James R. Goldsberry. A STUDY AND REVIEW OF MUSKRAT FOOD HABITS WITH SPECIAL REFERENCE TO MARYLAND. *Md. Wildl. Admin. Publ. Wildl. Ecol.* no. 1. v + 25 p., 20 figs. Mar. 1975. *WR 157: 25*
[Md. Dep. Nat. Resour., Wildl. Administration, 927 National Highway, LaVale 21502] *"Ondatra zibethicus."*

BEARS

Gordon, Kenneth R., and G. Victor Morejohn. SEXING BLACK BEAR SKULLS USING LOWER CANINE AND LOWER MOLAR MEASUREMENTS. *J. Wildl. Manage.* 39(1): 40-44, 3 figs. Jan. 1975. *WR 157: 25*
[San Jose State Univ., San Jose, Calif. 95114] *"Ursus americanus."*

Kruckenberg, Larry. THE FUR TRADE IN NORTH DAKOTA. *N. Dak. Outdoors* 37(10): 14-17, illus. Apr. 1975. *WR 157: 25*
Summarization of number of furs, average price paid, and value of furs for 11 spp. during period 1937-1974.

Piekielek, William, and Timothy S. Burton. A BLACK BEAR POPULATION STUDY IN NORTHERN CALIFORNIA. *Calif. Fish Game* 61(1): 4-25, 9 figs. Jan. 1975. *WR 157: 25*
[Univ. Calif., Berkeley] *"Ursus americanus."*

Rogers, Lynn L. PARASITES OF BLACK BEARS OF THE LAKE SUPERIOR REGION. *J. Wildl. Dis.* 11(2): 189-192. Apr. 1975. *WR 157: 25*
[Univ. Minn., Minneapolis 55455] *"Ursus americanus."*

RACCOON, RINGTAIL, COATI

Doyle, Thomas J., Gerald L. Hoff, and William J. Bigler. SEASONAL VARIATIONS IN TOTAL SERUM PROTEIN CONCENTRATION IN AN ESTUARINE RACCOON POPULATION. *J. Wildl. Dis.* 11(1): 58-61. Jan. 1975. *WR 157: 25*
[Univ. Fla., Gainesville 32611] *"Procyon lotor marinus."*

MUSTELIDS

Boise, C. M. SKULL MEASUREMENTS AS CRITERIA FOR AGING FISHERS. *N.Y. Fish Game J.* 22(1): 32-37. Jan. 1975. *WR 157: 25*
[Cornell Univ., Ithaca, N.Y.]

Carr, Donn Edward. PREDATORY BEHAVIOR IN THE STRIPED SKUNK, *MEPHITIS MEPHITIS*. *Ph. D. thesis, Cornell Univ.* 77 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 25*

MUSTELIDS--Continued

Franson, J. Christian, Paul A. Dahm, and Larry D. Wing. A METHOD FOR PREPARING AND SECTIONING MINK *(MUSTELA VISON)* MANDIBLES FOR AGE DETERMINATION. *Am. Midl. Nat.* 93(2): 507-508, 1 fig. Apr. 1975. *WR 157: 26*
[Iowa State Univ., Ames 50010]

Gough, Patricia M., and Carter Niemeyer. A RABIES EPIDEMIC IN RECENTLY CAPTURED SKUNKS. *J. Wildl. Dis.* 11(2): 170-176, 1 fig. Apr. 1975. *WR 157: 26*
[Iowa State Univ., Ames 50010] *"Mephitus mephitus."*

Grakov, N. N. [THE PAST DISTRIBUTION OF SABLES IN EUROPEAN RUSSIA.] *Byull. Mosk. O-va. Ispyt. Prir. Otd. Biol.* 79(1): 31-41. 1974. [From Biol. Abstr. 59(3), 1975. In Russian with English summ.] *WR 157: 26*

Karstad, L., and M. W. Lankester. CARDIOVASCULAR CALCIFICATION ASSOCIATED WITH NEPHRITIS IN A BADGER. *J. Wildl. Dis.* 11(1): 109-111, 3 figs. Jan. 1975. *WR 157: 26*
[Univ. Guelph, Guelph, Ontario, Canada] *"Taxidea taxus."*

Pavlinov, I. Ja. ATAVISTIC PATTERNS IN UPPER MOLAR OF THE PINE MARTEN. *Acta Theriol.* 19(32): 511-512, 1 fig. Nov. 1974. In English. *WR 157: 26*
[Lomonosov State Univ., Herzen Street 6, Moscow, K-9, USSR] *"Martes martes."*

Sinclair, W., N. Dunstone, and T. B. Poole. AERIAL AND UNDERWATER VISUAL ACUITY IN THE MINK *MUSTELA VISON* SCHREBER. *Anim. Behav.* 22(4): 965-974, 6 figs. Nov. 1974. *WR 157: 26*
[Univ. Coll. Wales, Aberystwyth, SY 23 3DA, Cardiganshire, Wales]

Tabor, James E. PRODUCTIVITY AND POPULATION STATUS OF RIVER OTTER IN WESTERN OREGON. *M.S. thesis, Oreg. State Univ.* 51 p. 1973. *WR 157: 26*
Courtesy/ E. Charles Meslow.

DOGS, WOLVES, FOXES

Brosset, A. REGIME ALIMENTAIRE D'UNE POPULATION SUBURBAINE DE RENARDS AU COURS D'UN CYCLE ANNUEL. [FOOD HABITS OF A SUBURBAN POPULATION OF FOXES THROUGHOUT AN ANNUAL CYCLE.] *Terre Vie* 29(1): 20-30, 1 fig. Jan.-Mar. 1975. In French. *WR 157: 26*

Cagnolaro, Luigi, Donatella Rosso, Mario Spagnesi, and Bianca Venturi. INCHIESTA SULLA DISTRIBUZIONE DEL LUPO *(CANIS LUPUS* L.) IN ITALIA E NEI CANTONI TICINO E GRIGIONI (SVIZZERA). [INVESTIGATION UPON THE DISTRIBUTION OF WOLVES *CANIS LUPUS* IN ITALY AND IN THE CANTONS OF TESSIN AND GRISON (SWITZERLAND).] *Ric. Biol. Selvaginna* no. 59. 91 p., illus. Sept. 1974. In Italian with French, German, and English summ. *WR 157: 26*
[Mus. Civico Storia Naturale, Milano, Italy]

Gipson, Philip S. FOOD HABITS OF COYOTES IN ARKANSAS. *J. Wildl. Manage.* 38(4): 848-853, 2 figs. Oct. 1974. *WR 157: 26*
[Univ. Ark., Fayetteville 72701] *"Canus latrans."*

Hochstrasser, Gerhardt. UEBER DEN JUENGST AUSGEROTTETEN BODENSTAENDIGEN WOLF, *CANIS LUPUS* SSP., DES DONAUDELTAS. [ON THE RECENTLY EXTERMINATED PERMANENT WOLF, *CANIS LUPUS* SSP., OF THE DANUBE DELTA.] *Saeugetierkd, Mitt.* 22(2): 109-112. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 26*
[Str. 1 Ranghet 13 A, Timisoara IV, Romania]

Ryan, G. E., and J. D. Croft. OBSERVATIONS ON THE FOOD OF THE FOX, *VULPES VULPES* (L.), IN KINCHEGA NATIONAL PARK, MENINDEE, N.S.W. *Aust. Wildl. Res.* 1(2): 89-94. Dec. 1974. *WR 157: 26*
[New South Wales Dep. Agric., Glenfield, New South Wales 2167, Australia]

DOGS, WOLVES, FOXES--Continued

Sargeant, Alan B., William K. Pfeifer, and Stephen H. Allen. A SPRING AERIAL CENSUS OF RED FOXES IN NORTH DAKOTA. *J. Wildl. Manage.* 39(1): 30-39, 3 figs. Jan. 1975. *WR 157: 27*
[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401] *"Vulpes vulpes."*

Weise, Thomas F., William L. Robinson, Richard A. Hook, and L. David Mech. AN EXPERIMENTAL TRANSLOCATION OF THE EASTERN TIMBER WOLF. *Audubon Conserv. Rep.* no. 5. ii + 28 p., 25 figs. 19 May 1975. *WR 157: 27*
[Northern Mich. Univ., Marquette 49855] *"Canis lupus lycaon."*

CATS

Conde, B., and P. Schauenberg. REPRODUCTION DU CHAT FORESTIER *(F. SILVESTRIS* SCHR.*)* DANS LE NORD-EST DE LA FRANCE. [REPRODUCTION IN THE EUROPEAN WILDCAT *(F. SILVESTRIS* SCHR.*)* IN NORTHEASTERN FRANCE.] *Rev. Suisse Zool.* 81(1): 45-52, illus. 1974. [From Biol. Abstr. 59(3), 1975. In French with English summ.] *WR 157: 27*
[Univ. Nancy I, F-54 Nancy, France]

Gipson, Philip S. EFFICIENCY OF TRAPPING IN CAPTURING OFFENDING COYOTES. *J. Wildl. Manage.* 39(1): 45-47. Jan. 1975. *WR 157: 27*
[Univ. Nebr., Lincoln 68503] *"Canis latrans."*

BIG GAME, GENERAL

Anderson, E. C., J. Anderson, W. J. Doughty, and S. Drevmo. THE PATHOGENICITY OF BOVINE STRAINS OF FOOT AND MOUTH DISEASE VIRUS FOR IMPALA AND WILDEBEEST. *J. Wildl. Dis.* 11(2): 248-255, 1 fig. Apr. 1975. *WR 157: 27*
[Wellcome Inst. Res., Embakasi, Kenya] *"Aepyceros melampus* and *Connochaetes taurinus."*

Autenrieth, Robert E., and Edson Fichter. ON THE BEHAVIOR AND SOCIALIZATION OF PRONGHORN FAWNS. *Wildl. Monogr.* no. 42. 111 p., 15 figs. Mar. 1975. Price $2.55. *WR 157: 27*
[Idaho Fish & Game Dep., Jerome 83338] *"Antilocapra americana."*

Ballard, Warren, and Ray Kramer. MOUNTAIN GOATS. *Alaska Fish Game* 7(6): 8-10, illus. Nov.-Dec. 1974. *WR 157: 27*
[Alaska Dep. Fish & Game, Juneau] Two articles on *Oreamnos americanus.*

Barrett, Morley W., and Gordon A. Chalmers. A SEROLOGIC SURVEY OF PRONGHORNS IN ALBERTA AND SASKATCHEWAN, 1970-1972. *J. Wildl. Dis.* 11(2): 157-163. Apr. 1975. *WR 157: 27*
[Univ. Alberta, Edmonton, Alberta, Canada] *"Antilocapra americana."*

Beall, Robert C. WINTER HABITAT SELECTION AND USE BY A WESTERN MONTANA ELK HERD. *Ph. D. thesis, Univ. Mont.* 209 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 27*

Bergerud, Arthur T. DECLINE OF CARIBOU IN NORTH AMERICA FOLLOWING SETTLEMENT. *J. Wildl. Manage.* 38(4): 757-770, 1 fig. Oct. 1974. *WR 157: 27*
[Univ. Victoria, Victoria, British Columbia V8W 2Y2, Canada] *"Rangifer tarandus."*

Bergstrom, Robert C. PREVALENCE OF *DICTYOCAULUS VIVIPARUS* INFECTION IN ROCKY MOUNTAIN ELK IN TETON COUNTY, WYOMING. *J. Wildl. Dis.* 11(1): 40-44, 2 figs. Jan. 1975. *WR 157: 27*
[Univ. Wyo., Laramie 82071] *"Cervus canadensis."*

Berwick, Stephen Harold. THE COMMUNITY OF WILD RUMINANTS IN THE GIR FOREST ECOSYSTEM, INDIA. *Ph. D. thesis, Yale Univ.* 242 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 27*

Blaxter, K. L. DEER FARMING. *Mammal Rev.* 4(3): 119-122. Sept. 1974. *WR 157: 28*
[Rowett Res. Inst., Aberdeen, Scotland]

Burridge, M. J. THE ROLE OF WILD MAMMALS IN THE EPIDEMIOLOGY OF BOVINE THEILERIOSES IN EAST AFRICA. *J. Wildl. Dis.* 11(1): 68-75. Jan. 1975. *WR 157: 28*
[Univ. Calif., Davis 95616] *"Syncerus caffer, Connochaetes taurinus,* and *Taurotragus oryx."*

Caughley, Graeme, and John Goddard. ABUNDANCE AND DISTRIBUTION OF ELEPHANTS IN THE LUANGWA VALLEY, ZAMBIA. *E. Afr. Wildl. J.* 13(1): 39-48, 5 figs. Mar. 1975. *WR 157: 28*
[Univ. Sydney, Sydney, N.S.W. 2006, Australia] *"Loxodonta africana."*

Chapman, D. I. REPRODUCTIVE PHYSIOLOGY IN RELATION TO DEER MANAGEMENT. *Mammal Rev.* 4(3): 61-74. Sept. 1974. *WR 157: 28*
[Larkmead, Barton Mills, Bury St. Edmunds, Suffolk, England] *"Dama dama, Cervus elaphus, C. nippon, Capreolus capreolus, Muntiacus reevesi,* and *Hydropotes inermis."*

Coblentz, Bruce Evan. ECOLOGY, BEHAVIOR, AND RANGE RELATIONSHIPS OF THE FERAL GOAT. *Ph. D. thesis, Univ. Mich.* 274 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 28*
The ecology, behavior, and range relationships of free-ranging feral goats *(Capra hircus* L.*)* on Santa Catalina Island, California were studied from July 1971 until May 1973.

Colwell, David A., and J. S. Dunlap. PSOROPTIC MANGE IN A WAPITI. *J. Wildl. Dis.* 11(1): 66-67, 1 fig. Jan. 1975. *WR 157: 28*
[Wash. State Univ., Pullman 99163] *"Cervus canadensis nelsoni."*

Colwell, David A., J. S. Dunlap, and Rolf L. Johnson. *WYOMINIA TETONI* (CESTODA: THYSANOSOMATINAE) FROM BIGHORN SHEEP IN WASHINGTON. *J. Wildl. Dis.* 11(2): 193-194. Apr. 1975. *WR 157: 28*
[Coll. Veterinary Med., Pullman, Wash. 99163] *"Ovis canadensis californiana."*

Conybeare, A. NOTES ON THE FEEDING HABITS OF KUDU IN THE KALAHARI SAND AREA OF WANKIE NATIONAL PARK, RHODESIA. *Arnoldia* (Rhodesia) 7(14): 1-7, 2 figs. 7 Mar. 1975. *WR 157: 28*
[Dep. Natl. Parks & Wildlife Manage., Rhodesia] *"Tragelaphus strepsiceros."*

Debbie, J. G., and B. Clausen. SOME HEMATOLOGICAL VALUES OF FREE-RANGING AFRICAN ELEPHANTS. *J. Wildl. Dis.* 11(1): 79-82. Jan. 1975. *WR 157: 28*
[N.Y. State Dep. Health, Albany 12201] *"Loxodonta africana."*

Dittrich, L. BEOBACHTUNGEN ZUR JUGENDENTWICKLUNG EINES BREITMAULNASHORNS *(CERATOTHERIUM S. SIMUM)* IM ZOO HANNOVER. [OBSERVATIONS OF JUVENILE DEVELOPMENT OF A WHITE RHINOCEROS *(CERATOTHERIUM S. SIMUM)* IN THE HANNOVER ZOO.] *Z. Kölner Zoo* 14(2): 73-81, illus. 1971. In German. *WR 157: 28*
[Hindenburgstr. 53, 3 Hannover, West Germany] Including behavior.

Ferrar, A. A., and B. H. Walker. AN ANALYSIS OF HERBIVORE/HABITAT RELATIONSHIPS IN KYLE NATIONAL PARK, RHODESIA. *J. S. Afr. Wildl. Assoc.* 4(3): 137-147, 2 figs. 1974. *WR 157: 28*
[Matetsi Res. Unit, Pvt. Bag 5926, Victoria Falls, Rhodesia]

Fichant, R. L'ALIMENTATION DU CHEVREUIL *(CAPREOLUS CAPREOLUS* L.*)* EN PÉRIODE AUTOMNALE, DANS LE SUD DE L'ARDENNE BELGE, PAR L'ANALYSE DE CONTENUS STOMACAUX. [FOOD HABITS OF ROE DEER *CAPREOLUS CAPREOLUS* DURING AUTUMN IN THE SOUTHERN ARDENNES OF BELGIUM BY ANALYSIS OF STOMACH CONTENTS.] *Fond. Univ. Luxembourgeoise Ser. "Notes de Recherche."* ii + 23 p. 1974. In French. *WR 157: 28*
[Cent. Rech. Agro. Gembloux, 59 Ave. de la Faculté, Gembloux, Belgium]

Field, R. A., F. C. Smith, and W. G. Hepworth. QUALITY AND QUANTITY OF MEAT FROM ELK CARCASSES IN WYOMING. *J. Wildl. Manage.* 38(4): 947. Oct. 1974. *WR 157: 29*
[Univ. Wyo., Laramie 82071] *"Cervus canadensis nelsoni."*

Follis, Thomas B. and J. Juan Spillett. WINTER PREGNANCY RATES AND SUBSEQUENT FALL COW/CALF RATIOS IN ELK. *J. Wildl. Manage.* 38(4): 789-791, 1 fig. Oct. 1974. *WR 157: 29*
[Ralston Purina Co., Checkerboard Square, St. Louis, Mo. 63199] *"Cervus canadensis."*

Grau, Gerald Alfred. BEHAVIOR OF MOUNTAIN GAZELLE IN ISRAEL. *Ph. D. thesis, Tex. A & M Univ.* 115 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 29*
"Gazella gazella."

Grobler, J. H. ASPECTS OF THE BIOLOGY, POPULATION ECOLOGY AND BEHAVIOUR OF THE SABLE *HIPPOTRAGUS NIGER NIGER*, (HARRIS, 1838) IN THE RHODES MATOPOS NATIONAL PARK, RHODESIA. *Arnoldia* 7(6): 1-36, 11 figs. 16 Sept. 1974. *WR 157: 29*
[Dep. Natl. Parks & Wildlife Management, Rhodesia]

Grootenhuis, J. G., A. S. Young, C. D. Kimber, and S. A. Drevemo. INVESTIGATIONS ON A *THEILERIA* SPECIES FROM AN IMPALA. *J. Wildl. Dis.* 11(1): 123-127, 1 fig. Jan. 1975. *WR 157: 29*
"Aepyceros melampus."

Hall-Martin, A. J. FOOD SELECTION BY TRANSVAAL LOWVELD GIRAFFE AS DETERMINED BY ANALYSIS OF STOMACH CONTENTS. *J.S. Afr. Wildl. Manage. Assoc.* 4(3): 191-202, 8 figs. 1974. *WR 157: 29*
[Univ. Pretoria, Pretoria 0002, South Africa] *"Giraffa camelopardalis."*

Hofmeyr, J. M. DEVELOPMENTS IN THE CAPTURE AND AIRLIFT OF ROAN ANTELOPE *HIPPOTRAGUS EQUINUS EQUINUS* UNDER NARCOSIS TO THE ETOSHA NATIONAL PARK. *Madoqua* Ser. I no. 8. p. 37-48, [2] figs, 8 pls. 1974. *WR 157: 29*
[Div. Nature Conservation & Tourism, Windhoek, South West Africa]

Hofmeyr, J. M., and J. P. Steyn. THE REEDBUCK, *REDUNCA ARUNDINUM* (BODDAERT, 1785): A NEW RECORD FOR THE ETOSHA NATIONAL PARK. *Madoqua* Ser. I no. 8. p. 77-79, 1 map, 1 pl. 1974. *WR 157: 29*
[Div. Nature Conservation & Tourism, Windhoek, South West Africa]

Howard, Volney W., Jr., and Donald G. DeLorenzo. SPECIFIC DIFFERENTIATION OF HERBIVORE PELLET GROUPS BY pH. *J. Wildl. Manage.* 38(4): 948-949. Oct. 1974. *WR 157: 29*
[N. Mex. State Univ., Las Cruces 88003] *"Odocoileus hemionus, Capra aegagrus,* and *Ovis canadensis mexicana."*

Jackson, J. E. FEEDING HABITS OF DEER. *Mammal Rev.* 4(3): 93-101. Sept. 1974. *WR 157: 29*
[Univ. Southampton, Southampton, England]

Jewell, P. A., C. Milner, and J. Morton Boyd, editors. ISLAND SURVIVORS: THE ECOLOGY OF THE SOAY SHEEP OF ST KILDA. *Athlone Press Univ. London* xii + 386 p., illus. 6.25 x 9.5 in. 1974. Price $24.00. *WR 157: 29*
A report of an intensive ecological study conducted on the feral sheep of St. Kilda from 1959 to 1969 which includes investigations of soil, plant communities and their distribution, the behavior and population dynamics of the sheep, their physical characteristics and the incidence of disease and parasites. The fourteen chapters contributed by sixteen specialists are complete papers but taken collectively to represent a monograph on this sheep which existed on St. Kilda at least since the 10th century A.D. and possibly since prehistoric times.

Jonkel, Charles J., David R. Gray, and Ben Hubert. IMMOBILIZING AND MARKING WILD MUSKOXEN IN ARCTIC CANADA. *J. Wildl. Manage.* 39(1): 112-117, 1 fig. Jan. 1975. *WR 157: 30*
[Natl. Mus. Nat. Sci., Ottawa K1A 0M8, Canada] *"Ovibos moschatus."*

Joubert, Eugene. COMPOSITION AND LIMITING FACTORS OF A KHOMAS HOCHLAND POPULATION OF HARTMANN ZEBRA *EQUUS ZEBRA HARTMANNAE*. *Madoqua* Ser. I no. 8. p. 49-53, 2 figs. 1974. *WR 157: 30*
[Div. Nature Conservation & Tourism, Windhoek, South West Africa]

Joubert, Eugene. NOTES ON THE REPRODUCTION IN HARTMANN ZEBRA *EQUUS ZEBRA HARTMANNAE* IN SOUTH WEST AFRICA. *Madoqua* Ser. I no. 8. p. 31-35, 3 figs. 1974. *WR 157: 30*
[Div. Nature Conservation & Tourism, Windhoek, South West Africa]

Joubert, Eugene. SIZE AND GROWTH AS SHOWN BY PRE- AND POST-NATAL DEVELOPMENT OF THE HARTMANN ZEBRA *EQUUS ZEBRA HARTMANNAE*. *Madoqua* Ser. I no. 8. p. 55-58, 5 figs. 1974. *WR 157: 30*
[Div. Nature Conservation & Tourism, Windhoek, South West Africa]

Kayanja, F.I.B. THE OVARY OF GUNTHER'S DIK-DIK, *MADOQUA GUENTHERI* THOMAS. *E. Afr. Wildl. J.* 13(1): 1-7, 9 figs. Mar. 1975. *WR 157: 30*
[Makere Univ., P. O. Box 7062, Kampala, Uganda]

Kayanja, F.I.B., and P. Scholz. THE ULTRASTRUCTURE OF THE PAROTID GLAND OF SOME EAST AFRICAN WILD UNGULATES. *Anat. Anz.* 135(4): 382-397, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 30*
[Makerere Univ., P. O. Box 7062, Kampala, Uganda] *"Alcelaphus buselaphus cokii, Connochaetes taurinus, Redunca fulvorufula, Gazella granti, Aepyceros melampus, G. thomsonii, Giraffa camelopardalis tippelskirchi, Litocranius walleri, Tragelaphus scriptus* and *Rhynchotragus guentheri."*

Kingston, N., and Jamie K. Morton. *TRYPANOSOMA CERVI* SP. N. FROM ELK *(CERVUS CANADENSIS)* IN WYOMING. *J. Parasitol.* 61(1): 17-23, 26 figs. Feb. 1975. *WR 157: 30*
[Div. Microbiol. & Veterinary Med., Box 3354, University Station, Laramie, Wyo. 82071]

Knottenbelt, D. C. AN INVESTIGATION INTO THE INCIDENCE AND PATHOLOGY OF NATURAL TRYPANOSOMIASIS OF BUSHBUCK *(TRAGELAPHUS SCRIPTUS)* AND KUDU *(T. STREPSICEROS)*. *Trop. Anim. Health Prod.* 6(3): 131-143, illus. 1974. [From Biol. Abstr. 59(3), 1975. In English with French and Spanish summ.] *WR 157: 30*
[Hollybush House, Kinnoull, Perth, Scotland]

Leege, Thomas A. QUESTION: TIMBER OR ELK IN NORTHERN IDAHO. *Idaho Wildl. Rev.* 27(4): 3-6, illus. Jan.-Feb. 1975. *WR 157: 30*
[Idaho Dep. Fish & Game, Boise 83707]

Marler, Ronald J. SOME HEMATOLOGIC AND BLOOD CHEMISTRY VALUES IN TWO HERDS OF AMERICAN BISON IN KANSAS. *J. Wildl. Dis.* 11(1): 97-100. Jan. 1975. *WR 157: 30*
[U. S. Army Veterinary Corps, Ft. Riley, Kans. 66442] *"Bison bison."*

McDiarmid, A. MORTALITY IN DEER. *Mammal Rev.* 4(3): 75-78. Sept. 1974. *WR 157: 30*
[Inst. Res. Animal Diseases, Compton, Newbury Berkshire, England] *"Dama dama, Cervus elaphus* and *Capreolus capreolus."*

Monfort, Alain. LES TECHNIQUES DE DENOMBREMENT ADAPTEES A L'ETUDE QUANTITATIVE DES POPULATIONS D'ONGULES SAUVAGES. [CENSUS TECHNIQUES ADAPTABLE FOR THE QUANTITATIVE STUDY OF WILD UNGULATE POPULATIONS.] *Terre Vie* 29(1): 3-19, 1 fig. Jan.-Mar. 1975. In French. *WR 157: 30*
[B.P. 19, Kigali, Rwanda]

Morris, N. E., and J. Hanks. REPRODUCTION IN THE BUSHBUCK *TRAGELAPHUS SCRIPTUS ORNATUS*. *Arnoldia* 7(1): 1-8, 5 figs. 23 July 1974. *WR 157: 31*
[Univ. Rhodesia, Salisbury, Rhodesia]

Murrell, Stu. EMERGENCY FEED PROGRAM FOR SOLDIER MOUNTAIN ELK. *Idaho Wildl. Rev.* 27(4): 8-9, illus. Jan.-Feb. 1975. *WR 157: 31*
[Idaho Dep. Fish & Game, Jerome]

Naumann, C., and G. Nogge. DIS GROSSSAUGER AFGHANISTANS. [THE LARGE MAMMALS OF AFGHANISTAN.] *Z. Kölner Zoo* 16(3): 79-93, illus. 1974. In German with English summ. *WR 157: 31*
[Bonn University, An der Immenburg 1, 53 Bonn, West Germany]

Nicholson, I. A. RED DEER RANGE AND PROBLEMS OF CARRYING CAPACITY IN THE SCOTTISH HIGHLANDS. *Mammal Rev.* 4(3): 103-118, 3 figs. Sept. 1974. *WR 157: 31*
[Inst. Terrestrial Ecol., Hill of Brathens, Banchory, Kincardineshire, Scotland] *"Cervus elaphus."*

Nogge, Gunther. PARASITOLOGISCHE BEFUNDE AN WILDSHAFEN *(OVIS AMMON)* IM KABUL-ZOO. [PARASITOLOGICAL FINDINGS IN WILD SHEEP *(OVIS AMMON)* IN THE KABUL ZOO.] *Freunde Kölner Zoo* 3(13): 95-99, illus. 1970. In German with English summ. *WR 157: 31*
[P.O. Box 234, Kabul, Afghanistan]

Parshall, Charles J., Jr., Samuel J. Vainisi, Morton F. Goldberg, and E. Daniel Wolf. IN VIVO ERYTHROCYTE SICKLING IN THE JAPANESE SIKA DEER *(CERVUS NIPPON)*: METHODOLOGY. *Am. J. Vet. Res.* 36(6): 749-752, 2 figs. June 1975. *WR 157: 31*
[Vainisi: Univ. Ill. Med. Cent., Chicago 60612]

Pennycuick, Linda. MOVEMENTS OF THE MIGRATORY WILDEBEEST POPULATION IN THE SERENGETI AREA BETWEEN 1960 AND 1973. *E. Afr. Wildl. J.* 13(1): 65-87, 14 figs. Mar. 1975. *WR 157: 31*
[Marine Biol. Lab., Citadel Hill, Plymouth, England] *"Connochaetes taurinus."*

Roussel, Yvon E., and Charles Pichette. COMPARISON OF TECHNIQUES USED TO RESTRAIN AND MARK MOOSE. *J. Wildl. Manage.* 38(4): 783-788, 1 fig. Oct. 1975. *WR 157: 31*
[Wildl. Manage. Serv., Quebec, Canada] *"Alces alces."*

Samuel, W. M., G. A. Chalmers, J. G. Stelfox, A. Loewen, and J. J. Thomsen. CONTAGIOUS ECTHYMA IN BIGHORN SHEEP AND MOUNTAIN GOAT IN WESTERN CANADA. *J. Wildl. Dis.* 11(1): 26-31, 4 figs. Jan. 1975. *WR 157: 31*
[Univ. Alberta, Edmonton, Alberta, Canada] *"Ovis c. canadensis."*

Samuel, W. M., and D. R. Gray. PARASITIC INFECTION IN MUSKOXEN. *J. Wildl. Manage.* 38(4): 775-782, 3 figs. Oct. 1974. *WR 157: 31*
[Univ. Alberta, Edmonton, Alberta, Canada] *"Ovibos moschatus."*

Sayer, J. A., and L. P. Van Lavieren. THE ECOLOGY OF THE KAFUE LECHWE POPULATION OF ZAMBIA BEFORE THE OPERATION OF HYDRO-ELECTRIC DAMS ON THE KAFUE RIVER. *E. Afr. Wildl. J.* 13(1): 9-37, 11 figs. Mar. 1975. *WR 157: 31*
[FAO Project Aménagement de la Faune, B.P. 506, Cotonon, Dahomey] *"Kobus leche kafuensis."*

Schaller, George B. THE DEER AND THE TIGER. A STUDY OF WILDLIFE IN INDIA. *Univ. of Chicago Press* (Chicago and London). 370 p., illus., 6 x 9 in. 1974. Price $6.95 paper. *WR 157: 31*
Descriptions of geographical and ecological distribution, population dynamics, movements, food habits and social behavior of chital, barasingha and sambar deer, the blackbuck antelope, the gaur and the tiger. Predator-prey relationships between the tiger and these prey and between the tiger and its predators, especially the leopard and jackal.

Skipworth, J. P. INGESTION OF GRIT BY BIGHORN SHEEP. *J. Wildl. Manage.* 38(4): 880-883, 1 fig. Oct. 1974. *WR 157: 32*
[Massey Univ., Palmerston North, New Zealand] *"Ovis canadensis."*

Smart, David L., Daniel O. Trainer, and Thomas M. Yuill. SEROLOGIC EVIDENCE OF VENEZUELAN EQUINE ENCEPHALITIS IN SOME WILD AND DOMESTIC POPULATIONS OF SOUTHERN TEXAS. *J. Wildl. Dis.* 11(2): 195-200. Apr. 1975. *WR 157: 32*
[Univ. Wis., Stevens Point 54481] *"Odocoileus virginianus, Sus scrofa* and *Pecari angulatus."*

Smith, Arthur D., and John C. Malechek. NUTRITIONAL QUALITY OF SUMMER DIETS OF PRONGHORN ANTELOPES IN UTAH. *J. Wildl. Manage.* 38(4): 792-798. Oct. 1974. *WR 157: 32*
[Utah State Univ., Logan 84322] *"Antilocapra americana."*

Staines, Brian W. A REVIEW OF FACTORS AFFECTING DEER DISPERSION AND THEIR RELEVANCE TO MANAGEMENT. *Mammal Rev.* 4(3): 79-91, 1 fig. Sept. 1974. *WR 157: 32*
[Inst. Terrestrial Ecol., Hill of Brathens, Banchory, Kincardineshire, Scotland] Chiefly *Cervus elaphus* and *Capreolus capreolus.*

Stuht, John N. MORPHOLOGY OF TRYPANOSOMES FROM WHITE-TAILED DEER AND WAPITI IN MICHIGAN. *J. Wildl. Dis.* 11(2): 256-262, 1 fig. Apr. 1975. *WR 157: 32*
[Rose Lake Wildl. Res. Cent., East Lansing, Mich. 48823] *"Odocoileus virginianus* and *Cervus canadensis."*

Super, Stuart J. OPTOMETRIC EXAMINATION OF THE KUDU *TRAGELAPHUS STREPSICEROS. Madoqua* Ser. I no. 8. p. 25-29, illus. 1974. *WR 157: 32*
[P.O. Box 1739, Windhoek, South West Africa]

Todd, J. W. FOODS OF ROCKY MOUNTAIN BIGHORN SHEEP IN SOUTHERN COLORADO. *J. Wildl. Manage.* 39(1): 108-111. Jan. 1975. *WR 157: 32*
[AMAX Environ. Serv. Group, 4704 Harlan, Denver, Colo. 80212] *"Ovis canadensis canadensis."*

Topiński, Piotr. THE ROLE OF ANTLERS IN ESTABLISHMENT OF THE RED DEER HERD HIERARCHY. *Acta Theriol.* 19(32): 509-511. Nov. 1974. In English. *WR 157: 32*
[Inst. Ecol., Polish Acad Sci., Dziekanów, 05-150 Łomianki, Poland] *"Cervus elaphus."*

Vainisi, Samuel J., Charles J. Parshall, Jr., Morton F. Goldberg, and E. Daniel Wolf. OPTHALMIC MANIFESTATIONS OF INDUCED SICKLING OF ERYTHROCYTES IN JAPANESE SIKA DEER *(CERVUS NIPPON). Am. J. Vet. Res.* 36(6): 753-756, 3 figs. June 1975. *WR 157: 32*
[Univ. Ill. Med. Cent., Chicago 60612]

Waser, Peter. DIURNAL AND NOCTURNAL STRATEGIES OF THE BUSHBUCK *TRAGELAPHUS SCRIPTUS* (PALLAS). *E. Afr. Wildl. J.* 13(1): 49-63, 7 figs. Mar. 1975. *WR 157: 32*
[Rockefeller Univ., New York, N.Y.]

Wegge, Per. REPRODUCTION AND EARLY CALF MORTALITY IN NORWEGIAN RED DEER. *J. Wildl. Manage.* 39(1): 92-100, 3 figs. Jan. 1975. *WR 157: 32*
[Norwegian State Game Res. Inst., 1432 Ås-NLH, Norway] *"Cervus elaphus."*

West, George C., and Diane L. Shaw. FATTY ACID COMPOSITION OF DALL SHEEP BONE MARROW. *Comp. Biochem. Physiol. B Comp. Biochem.* 50(4): 599-601, 1 fig. 15 Apr. 1975. *WR 157: 32*
[Univ. Alaska, Fairbanks 99701] *"Ovis dalli."*

Williamson, B. R. SEASONAL DISTRIBUTION OF ELEPHANT IN WANKIE NATIONAL PARK. *Arnoldia* (Rhodesia) 7(11): 1-16, 7 figs. 28 Feb. 1975. *WR 157: 32*
[Dep. Natl. Parks & Wild Life Manage., Rhodesia] *"Loxodonta africana."*

Williamson, B. R. THE CONDITION AND NUTRITION OF ELEPHANT IN WANKIE NATIONAL PARK. *Arnoldia* (Rhodesia) 7(12): 1-20, 8 figs. 28 Feb. 1975. *WR 157: 33*
[Dep. Natl. Parks & Wild Life Manage., Rhodesia] *"Loxodonta africana."*

Wilson, D. E., R. C. Bartsch, R. D. Bigalke, and Shan E. Thomas. OBSERVATIONS ON MORTALITY RATES AND DISEASE IN ROAN AND SABLE ANTELOPE ON NATURE RESERVES IN THE TRANSVAAL. *J. S. Afr. Wildl. Manage. Assoc.* 4(3): 203-206. 1974. *WR 157: 33*
[Transvaal Nat. Conserv. Div., Private Bag X209, Pretoria 0001, South Africa] *"Hippotragus equinus* and *H. niger."*

Wobeser, G., and W. Runge. ARTHROPATHY IN WHITE-TAILED DEER AND A MOOSE. *J. Wildl. Dis.* 11(1): 116-121, 6 figs. Jan. 1975. *WR 157: 33*
[Univ. Saskatchewan, Saskatoon, Saskatchewan, Canada] *"Odocoileus virginianus* and *Alces alces."*

Woodard, Thomas N., R. J. Gutiérrez, and William H. Rutherford. BIGHORN LAMB PRODUCTION, SURVIVAL, AND MORTALITY IN SOUTH-CENTRAL COLORADO. *J. Wildl. Manage.* 38(4): 771-774. Oct. 1974. *WR 157: 33*
[Colo. Dep. Nat. Resour., Glenwood Springs 81601] *"Ovis canadensis."*

DEER (Odocoileus)

Ballard, Warren, and Harry Merriam. THE DEER DILEMMA. *Alaska Fish Game* 8(1): 4-5, 20-21, illus. Jan.-Feb. 1975. *WR 157: 33*
[Akaska Dep. Fish & Game, Juneau 99801] "In summary, it can be said that both deer numbers and the hunter harvest fluctuate according to the severity of winter weather: when deer are plentiful, hunter harvest is high which helps to protect the range from abuse and utilizes a resource which otherwise would be wasted. When deer populations are down, hunter harvest is down regardless of liberal seasons and bag limits."

Buckland, Donald E., Wesley A. Abler, Roy L. Kirkpatrick, and James B. Whelan. IMPROVED HUSBANDRY SYSTEM FOR REARING FAWNS IN CAPTIVITY. *J. Wildl. Manage.* 39(1): 211-214. Jan. 1975. *WR 157: 33*
[Va. Polytech. Inst., Blacksburg 24061] *"Odocoileus virginianus."*

Burke, David. CAPTURE AND TAGGING OF NEW JERSEY WHITETAILS. *N.J. Outdoors* 2(1): 12-19, illus. Jan.-Feb. 1975. *WR 157: 33*
Summarization of deer trapping records of 1347 deer during the period 1969-1974.

deCalesta, David S., Julius G. Nagy, and James A. Bailey. SOME EFFECTS OF STARVATION ON MULE DEER RUMEN BACTERIA. *J. Wildl. Manage.* 38(4): 815-822, 1 fig. Oct. 1974. *WR 157: 33*
[N.C. State Univ., Raleigh 27607] *"Odocoileus hemionus."*

Dickinson, Nathaniel R., and Lawrence E. Garland. THE WHITE-TAILED DEER RESOURCE OF VERMONT. *Vt. Fish Game Dep.* i + 63 p., 1 fig. 1974. *WR 157: 33*
"Odocoileus virginianus."

Hardin, James William. BEHAVIOR, SOCIO-BIOLOGY, AND REPRODUCTIVE LIFE HISTORY OF THE FLORIDA KEY DEER, *ODOCOILEUS VIRGINIANUS CLAVIUM. Ph. D. thesis, Southern Ill. Univ.* 243 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975. *WR 157: 33*

Howard, Volney W., Jr., and Charles T. Engelking. BAIT TRAILS FOR TRAPPING MULE DEER. *J. Wildl. Manage.* 38(4): 946-947. Oct. 1974. *WR 157: 33*
[N. Mex. State Univ., Las Cruces 88003] *"Odocoileus hemionus."*

Jackson, Lawrence W. ROLE OF CAMPS IN RELATION TO DEER HUNTING IN THE TOWN OF MALONE. *N.Y. Fish Game J.* 22(1): 13-24. Jan. 1975. *WR 157: 33*

Kistner, T. P., and L. D. Koller. EXPERIMENTALLY INDUCED *FASCIOLA HEPATICA* INFECTIONS IN BLACK-TAILED DEER. *J. Wildl. Dis.* 11(2): 214-220, 3 figs. Apr. 1975. *WR 157: 34*
[Oreg. State Univ., Corvallis 97331] *"Odocoileus hemionus columbianus."*

Mansell, W. Dan. PRODUCTIVITY OF WHITE-TAILED DEER ON THE BRUCE PENINSULA, ONTARIO. *J. Wildl. Manage.* 38(4): 808-814. Oct. 1974. *WR 157: 34*
[Min. Nat. Resour., Wingham, Ontario NOG 2W0, Canada] *"Odocoileus virginianus."*

Mautz, William W., Robert P. Davison, Carolyn E. Boardman, and Helenette Silver. RESTRAINING APPARATUS FOR OBTAINING BLOOD SAMPLES FROM WHITE-TAILED DEER. *J. Wildl. Manage.* 38(4): 845-847, 1 fig. Oct. 1974. *WR 157: 34*
[Univ. N.H., Durham 03824]

Mautz, William W., Helenette Silver, and Haven H. Hayes. ESTIMATING METHANE, URINE, AND HEAT INCREMENT FOR DEER CONSUMING BROWSE. *J. Wildl. Manage.* 39(1): 80-86. Jan. 1975. *WR 157: 34*
[Univ. N.H., Durham 03824] *"Odocoileus virginianus."*

McMahan, Craig A., and J. M. Inglis. USE OF RIO GRANDE PLAIN BRUSH TYPES BY WHITE-TAILED DEER. *J. Range Manage.* 27(5): 369-374, 5 figs. Sept. 1974. *WR 157: 34*
[Tex. Parks & Wildl. Dep., Austin] *"Odocoileus virginianus."*

Pojar, Thomas M., Richard A. Prosence, Dale F. Reed, and Thomas N. Woodard. EFFECTIVENESS OF A LIGHTED, ANIMATED DEER CROSSING SIGN. *J. Wildl. Manage.* 39(1): 87-91, 2 figs. Jan. 1975. *WR 157: 34*
[Colo. Div. Wildl., Fort Collins 80521]

Presidente, P. J. A., B. M. McCraw, and J. H. Lumsden. EXPERIMENTALLY INDUCED *FASCIOLA HEPATICA* INFECTION IN WHITE-TAILED DEER I. CLINICOPATHOLOGICAL AND PARASITOLOGICAL FEATURES. *Can. J. Comp. Med.* 39(2): 155-165, 4 figs. Apr. 1975. In English with French summ. *WR 157: 34*
[Univ. Guelph, Guelph, Ontario N1G 2W1, Canada] *"Odocoileus virginianus."*

Presidente, P. J. A., B. M. McCraw, and J. H. Lumsden. EXPERIMENTALLY INDUCED *FASCIOLA HEPATICA* INFECTION IN WHITE-TAILED DEER II. PATHOLOGICAL FEATURES. *Can. J. Comp. Med.* 39(2): 166-177, 12 figs. Apr. 1975. In English with French summ. *WR 157: 34*
[Univ. Guelph, Guelph, Ontario N1G 2W1, Canada] *"Odocoileus virginianus."*

Puglisi, Michael J., James S. Lindzey, and Edward D. Bellis. FACTORS ASSOCIATED WITH HIGHWAY MORTALITY OF WHITE-TAILED DEER. *J. Wildl. Manage.* 38(4): 799-807, 5 figs. Oct. 1974. *WR 157: 34*
[Bureau of Forestry, Harrisburg, Pa. 17102] *"Odocoileus virginianus."*

Rice, P. R., and D. C. Church. TASTE RESPONSES OF DEER TO BROWSE EXTRACTS, ORGANIC ACIDS, AND ODORS. *J. Wildl. Manage.* 38(4): 830-836, 2 figs. Oct. 1974. *WR 157: 34*
[Box 1181, Albion, Wash. 99102] *"Odocoileus hemionus."*

Richards, Stephen H. DEER BLINDED BY BLIZZARD. *N. Dak. Outdoors* 37(9): 2-4, illus. Mar. 1975. *WR 157: 34*
[Jamestown, N. Dak.]

Robbins, Charles T., Peter J. Van Soest, William W. Mautz, and Aaron N. Moen. FEED ANALYSES AND DIGESTION WITH REFERENCE TO WHITE-TAILED DEER. *J. Wildl. Manage.* 39(1): 67-79, 4 figs. Jan. 1975. *WR 157: 34*
[Wash. State Univ., Pullman 99163] *"Odocoileus virginianus."*

Roseberry, John L., and W. D. Klimstra. SOME MORPHOLOGICAL CHARACTERISTICS OF THE CRAB ORCHARD DEER HERD. *J. Wildl. Manage.* 39(1): 48-58, 3 figs. Jan. 1975. *WR 157: 34*
[Southern Ill. Univ., Carbondale 62901] *"Odocoileus virginianus."*

DEER (Ococoileus)--Continued

Roughton, Robert D. AN OUTBREAK OF A HEMORRHAGIC DISEASE IN WHITE-TAILED DEER IN KENTUCKY. *J. Wildl. Dis.* 11(2): 177-186, 2 figs. Apr. 1975. *WR 157: 35*
[Utah State Univ.-UMC 52, Logan 84322] *"Odocoileus virginianus."*

Scanlon, Patrick F., David F. Urbson, and James A. Sullivan. A MALE PSEUDO-HERMAPHRODITE WHITE-TAILED DEER RESEMBLING AN ANTLERED DOE. *J. Wildl. Dis.* 11(2): 237-240, 3 figs. Apr. 1975. *WR 157: 35*
[Va. Polytech. Inst., Blacksburg 24061] *"Odocoileus virginianus."*

Schoonveld, Gene G., Julius G. Nagy, and James A. Bailey. CAPABILITY OF MULE DEER TO UTILIZE FIBROUS ALFALFA DIETS. *J. Wildl. Manage.* 38(4): 823-829, 1 fig. Oct. 1974. *WR 157: 35*
[Colo. Div. Wildl. Res. Cent., Fort Collins 80522] *"Odocoileus hemionus."*

Scotter, George W. WHITE-TAILED DEER AND MULE DEER OBSERVATIONS IN SOUTHWESTERN DISTRICT OF MACKENZIE, NORTHWEST TERRITORIES. *Can. Field-Nat.* 88: 487-489, 1 fig. 1974. *WR 157: 35*
[Canadian Wildl. Serv., Edmonton, Alberta, Canada] *"Odocoileus virginianus* and *O. hemionus."*

Selgelquist, Charles August. EVALUATION OF WILDLIFE FORAGE CLEARINGS FOR WHITE-TAILED DEER HABITAT MANAGEMENT IN A 600-ACRE ARKANSAS OZARK ENCLOSURE. *Ph. D. thesis, Okla. State Univ.* 185 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(10), 1975.] *WR 157: 35*

Severinghaus, C. W. DEER MANAGEMENT. *Conservationist* 29(5): 35-37, illus. Apr.-May 1975. *WR 157: 35*
"Application of the biological and demographic knowledge we now have, together with suitable laws properly respected and enforced, make it possible to achieve sound deer management within specific Deer Management Units."

Weinmann, Clarence J., and Chuzaburo Shoho. ABDOMINAL WORM INFECTION IN NEWBORN DEER (FILARIOIDEA: SETARIIDAE). *J. Parasitol.* 61(2): 317. Apr. 1975. *WR 157: 35*
[Univ. Calif., Berkeley] *"Odocoileus hemionus columbianus."*

Wetzel, John F., James R. Wambaugh, and James M. Peek. APPRAISAL OF WHITE-TAILED DEER WINTER HABITATS IN NORTHEASTERN MINNESOTA. *J. Wildl. Manage.* 39(1): 59-66, 1 fig. Jan. 1975. *WR 157: 35*
[Wis. Dep. Nat. Resour., Burlington 53105] *"Odocoileus virginianus."*

MAMMALS--MARINE

Best, P. B., and L. C. Surmon. CONSERVATION AND UTILISATION OF WHALES OFF THE NATAL COAST. *J. S. Afr. Wildl. Manage. Assoc.* 4(3): 149-156, 8 figs. 1974. *WR 157: 35*
[Sea Fisheries Branch, Private Bag, Sea Point, Cape Town 8000, South Africa] Six species of whale are currently caught in Natal waters, sperm, fin, sei, Bryde's, minke and killer whales. Blue, humpback and right whales are protected.--From abstr.

Brown, Richard J., Alvin W. Smith, and Mark C. Keyes. RENAL FIBROSARCOMA IN THE NORTHERN FUR SEAL. *J. Wildl. Dis.* 11(1): 23-25, 2 figs. Jan. 1975. *WR 157: 35*
[U. S. Naval Med. Res. Unit No. 2, Box 14, APO San Francisco 96263] *"Callorhinus ursinus."*

Colgrove, Gary S. A SURVEY OF *ERYSIPELOTHRIX INSIDIOSA* AGGLUTINATING ANTIBODY TITERS IN VACCINATED PORPOISES *(TURSIOPS TRUNCATUS). J. Wildl. Dis.* 11(2): 234-236. Apr. 1975. *WR 157: 35*
[Naval Undersea Cent., P. O. Box 997, Kailua, Hawaii 96734]

Costello, R. R., and G. C. Whittow. OXYGEN COST OF SWIMMING IN A TRAINED CALIFORNIA SEA LION. *Comp. Biochem. Physiol. A Comp. Physiol.* 50(4): 645-647, 1 fig. 1 Apr. 1975. *WR 157: 36*
[Univ. Hawaii, Honolulu] *"Zalophus californianus."*

Daniel, Joseph C., Jr. CONCENTRATIONS OF CIRCULATING PROGESTERONE DURING EARLY PREGNANCY IN THE NORTHERN FUR SEAL, *CALLORHINUS URSINUS*. *J. Fish. Res. Board Can.* 32(1): 65-66, 1 fig. Jan. 1975. In English with French summ. *WR 157: 36*
[Univ. Tenn., Knoxville 37916]

Dormer, Kenneth John. THE MECHANISM OF SOUND PRODUCTION AND MEASUREMENT OF SOUND PROCESSING IN DELPHINID CETACEANS. *Ph. D. thesis, Univ. Calif.* (Los Angeles) 173 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 36*

Ferrel, Donald W., Donald R. Nelson, Terry C. Sciarrotta, Edward A. Standora, and Howard C. Carter. A MULTICHANNEL ULTRASONIC BIOTELEMETRY SYSTEM FOR MONITORING MARINE ANIMAL BEHAVIOR AT SEA. *ISA (Instrum. Soc. Am.) Trans.* 13(2): 120-131, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 36*
[Boeing Co., Seattle, Wash.]

Home, William Scott. GLACIER BAY/ICY HOME TO WHALES. *Natl. Parks Conserv. Mag.* 49(5): 12-16, illus. May 1974. *WR 157: 36*
One of a series on endangered species. Glacier Bay National Monument on the coast of southeast Alaska is the only national park system unit in the world that counts whales (minke, finback, and humpback) among its resident fauna.

Hunt, F. OBSERVATIONS ON THE SEALS OF ELEPHANT ISLAND, SOUTH SHETLAND ISLANDS, 1970-71. *Br. Antarct. Surv. Bull.* 36. p. 99-104, illus. 1973. [From Biol. Abstr. 59(3), 1975.] *WR 157: 36*
[Br. Antarct. Surv., 30 Gillingham St., London SW1V 1HY, England] *"Mirounga leonina."*

Litchfield, Carter, Anne J. Greenberg, David K. Caldwell, Melba C. Caldwell, J. C. Sipos, and R. G. Ackman. COMPARATIVE LIPID PATTERNS IN ACOUSTICAL AND NON-ACOUSTICAL FATTY TISSUES OF DOLPHINS, PORPOISES AND TOOTHED WHALES. *Comp. Biochem. Physiol. B Comp. Biochem.* 50(4): 591-597, 1 fig. 15 Apr. 1975. *WR 157: 36*
[Rutgers Univ., New Brunswick, N. J. 08903]

Manning, T. H. VARIATIONS IN THE SKULL OF THE BEARDED SEAL, *ERIGNATHUS BARBATUS* (ERXLEBEN). *Biol. Pap. Univ. Alaska* no. 16. iii + 21 p., 6 figs. Nov. 1974. Price $1.25. *WR 157: 36*
[RR 4 Merrickville, Ontario, Canada]

McDonald-Renaud, Donna Lee. SOUND LOCALIZATION IN THE BOTTLENOSE PORPOISE, *TURSIOPS TRUNCATUS* (MONTAGU). *Ph. D. thesis, Univ. Hawaii.* 198 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 36*

Milne, Allen R. USE OF ARTIFICIAL SUBICE AIR POCKETS BY WILD RINGED SEALS *(PHOCA HISPIDA)*. *Can. J. Zool.* 52(3): 1092-1093, illus. 1974. [From Biol. Abstr. 59(2), 1975. In English with French summ.] *WR 157: 36*
[Mar. Sci. Dir., Pac. Reg., Victoria, British Columbia, Canada]

Petrinovich, Lewis. INDIVIDUAL RECOGNITION OF PUP VOCALIZATION BY NORTHERN ELEPHANT SEAL MOTHERS. *Z. Tierpsychol.* 34(3): 308-312. 1974. (From Biol. Abstr. 59(3), 1975. In English with German summ.] *WR 157: 36*
[Univ. Calif., Riverside 92502] *"Mirounga angustirostris."*

Pilleri, G., and M. Gihr. RECORD OF A SOUTHERN ELEPHANT SEAL *(MIROUNGA LEONINA* LINNAEUS*)* OFF THE ISLA VERDE, URUGUAY. *Rev. Suisse Zool.* 81(1): 95-100, illus. 1974. [From Biol. Abstr. 59(2), 1975. In English with French and German summ.] *WR 157: 36*
[Univ. Berne, Untere Zollgasse 71, CH-3072 Ostermundigen, Switzerland]

Samaras, William F. REPRODUCTIVE BEHAVIOR OF THE GRAY WHALE *ESCHRICHTIUS ROBUSTUS*, IN BAJA CALIFORNIA. *Bull. South Calif. Acad. Sci.* 73(2): 57-64, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 37*
[Carson High Sch., 22328 S. Main St., Carson, Calif. 90745]

Southcott, R. V., N. J. Chesterfield, and R. M. Warneke. THE VITAMIN A CONTENT OF THE LIVER OF THE AUSTRALIAN FUR SEAL, *ARCTOCEPHALUS PUSILLUS DORIFERUS*. *Aust. Wildl. Res.* 1(2): 145-148. Dec. 1974. *WR 157: 37*
[2 Taylors Road, Mitcham, South Australia 5062, Australia]

Spain, A. V., and G. E. Heinsohn. A BIOMETRIC ANALYSIS OF MEASUREMENT DATA FROM A COLLECTION OF NORTH QUEENSLAND DUGONG SKULLS, *DUGONG DUGON* (MULLER). *Aust. J. Zool.* 22(2): 249-257, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 37*
[James Cook Univ. N. Queensland, Townsville, Queensland 4811, Australia]

Van Bree, P.J.H., and A. M. Husson. STRANDINGEN VAN CETACEA OP DE NEDERLANDSE KUST IN 1972 EN 1973. [CETACEANS WASHED ASHORE ON THE COAST OF THE NETHERLANDS IN 1972 AND 1973.] *Lutra* 16(1): 1-10. 1974. [From Biol. Abstr. 59(2), 1975. In Dutch with English summ.] *WR 157: 37*
[Zool. Mus., Plantage Kerklaan 36, Amsterdam, Netherlands] *"Phocoena phocoena, Balaenoptera acutorostrata, Grampus griseus, Tursiops truncatus, Lagenorhynchus albirostris, L. acutus* and *Balaenoptera borealis."*

Winn, H. E., R. K. Edel, and A. G. Taruski. POPULATION ESTIMATE OF THE HUMPBACK WHALE *(MEGAPTERA NOVAEANGLIAE)* IN THE WEST INDIES BY VISUAL AND ACOUSTIC TECHNIQUES. *J. Fish. Res. Board Can.* 32(4): 499-506, 4 figs. Apr. 1975. In English with French summ. *WR 157: 37*
[Univ. R.I., Kingston 02881]

OTHER MAMMALS

Agrawal, V. C. TAXONOMIC STATUS OF BARBE'S LEAF-MONKEY, *PRESBYTIS BARBEI* BLYTH. *Primates* 15(2/3): 235-239, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 37*
[Zool. Surv. India, 8 Lindsay St., Calcutta, West Bengal 16, India]

Balasch, J., S. Musquera, L. Palacios, M. Jimenez, and J. Palomeque. HEMATOLOGICAL VALUES, SERUM PROTEINS AND HAEMOGLOBIN OF *MANDRILLUS*. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 335-340, 8 figs. 1 June 1975. *WR 157: 37*
[Univ. Barcelona, Barcelona, Spain]

Bligh, John, Isabel Baumann, Julio Sumar, and Felix Pocco. STUDIES OF BODY TEMPERATURE PATTERNS IN SOUTH AMERICAN CAMELIDAE. *Comp. Biochem. Physiol. A Comp. Physiol.* 50(4): 701-708, 7 figs. 1 Apr. 1975. *WR 157: 37*
[Inst. Anim. Physiol., Babraham, Cambridge, England] *"Lama pacos* and *L. glama."*

Braithwaite, Richard W. BEHAVIOURAL CHANGES ASSOCIATED WITH THE POPULATION CYCLE OF *ANTECHINUS STUARTII* (MARSUPIALIA). *Aust. J. Zool.* 22(1): 45-62, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 37*
[Univ. Queensland, St. Lucia, Queensland 4067, Australia]

Buchmann, Othmar L. K., and Elizabeth A. Grecian. DISCRIMINATION-REVERSAL LEARNING IN THE MARSUPIAL *ISOODON OBESULUS* (MARSUPIALIA, PERAMELIDAE). *Anim. Behav.* 22(4): 975-981, 3 figs. Nov. 1974. *WR 157: 37*
[Univ. Tasmania, Hobart, Tasmania 7001]

Burton, Frances D., and Lawrence A. Sawchuk. DEMOGRAPHY OF *MACACA SYLVANUS* OF GIBRALTAR. *Primates* 15(2/3): 271-278. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 37*
[Scarborough Coll., Univ. Toronto, West Hill, Toronto, Ontario, Canada]

Coimbra-Filho, Adelmar F., and Ângela de A. Maia. CONTRIBUIÇÃO AO MANEJO RACIONAL DA COLÔNIA DE "RHESUS" *(MACACA MULATTA)* NA ILHA DO PINHEIRO, G.B., BRASIL. -- (CERCOPITHECIDAE-PRIMATES). [CONTRIBUTION UPON THE WISE MANAGEMENT OF A COLONY OF RHESUS *(MACACA MULATTA)* ON PINHEIRO ISLAND, GUANABARA BAY, BRAZIL. (CERCOPITHECIDAE-PRIMATES).] *Brasil Florestal* 5(20): 13-25, 14 figs. Oct.-Dec. 1974. In Portuguese with English summ. *WR 157: 38*
[Inst. Conserv. Nat., S.C.I., Rio di Janeiro, Brazil]

Dittus, Wolfgang P.J. THE ECOLOGY AND BEHAVIOR OF THE TOQUE MONKEY, *MACACA SINICA*. *Ph. D. thesis, Univ. Md.* 291 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 38*

Gauthier-Pilters, H. OBSERVATIONS SUR L'ÉCOLOGIE DU DROMADAIRE EN MOYENNE MAURITANIE. [OBSERVATIONS UPON THE ECOLOGY OF THE DROMEDARY OF MIDDLE MAURITANIA.] *Bull. Inst. Fondam. Afr. Noire Ser. A Sci. Nat.* 31(4): 1259-1380, 20 figs. 1969. In French. *WR 157: 38*

Gawe, Lutz, Axel Goldau, Wolf-Dieter Kunne, and Michael Schmitt. ZUR HALTUNG UND ZUCHT VON TOTENKOPFAFFEN *SAIMIRI SCIUREUS* PARAMARIBO (SURINAM). [KEEPING AND REARING OF SQUIRREL MONKEYS *(SAIMIRI SCIUREUS)* PARAMARIBO (SURINAM).] *Z. Kölner Zoo* 3(17): 111-118. 1974. In German with English summ. *WR 157: 38*
[Berlin Free University, Arnimallee 22, 1 Berlin 33, West Germany]

Gorgas, Michael. GESCHLECHTSBESTIMMUNG BEI GORILLAS MIT DER HAARFOLLIKEL-METHODE ("OLYMPIATEST"). [SEX DETERMINATION IN GORILLAS BY THE HAIR-FOLLICLE METHOD ("OLYMPIA TEST").] *Z. Kölner Zoo* 16(3): 97-99. 1973. In German with English summ. *WR 157: 38*
[Bonn University, An der Immenberg 1, 53 Bonn 1, West Germany]

Gould, John KANGAROOS/ WITH MODERN COMMENTARIES BY JOAN M. DIXON. *Doubleday & Co., Inc.* (Garden City). iii + 150 p., 70 pls. 10.5 x 14.75 in. 1973. Price $30.00. *WR 157: 38*
The Gould plates and text appearing in this edition were first published in 1863 as Volume II of *The Mammals of Australia*. Although the color plates have been reduced from the original folio size, this reduction does not detract from the overall beauty of this attractive oversize book. The judicious deletion of all references to life-sized reproductions and drawings from the text, the new typography, the commentaries (which indicate the present status and the current widely accepted taxonomy of the species described), and the color plates--all these add up to an informative book that is a delight to read.

Greegor, David Haynie, Jr. COMPARATIVE ECOLOGY AND DISTRIBUTION OF TWO SPECIES OF ARMADILLOS, *CHAETOPHRACTUS VELLEROSUS* AND *DASYPUS NOVEMCINCTUS*. *Ph. D. thesis, Univ. Ariz.* 150 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 38*

Kaufmann, John H. FIELD OBSERVATIONS OF THE SOCIAL BEHAVIOUR OF THE EASTERN GREY KANGAROO, *MACROPUS GIGANTEUS*. *Anim. Behav.* 23(1): 214-221, 1 fig. Feb. 1975. *WR 157: 38*
[Univ. Fla., Gainesville 32611]

Lewis, Jessica H. COMPARATIVE HEMATOLOGY: STUDIES ON OPPOSSUMS *DIDELPHIS MARSUPIALIS (VIRGINIANUS)*. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 275-280, 1 fig. 1 June 1975. *WR 157: 38*
[Univ. Pa., Pittsburgh 15213]

Long, Gerald G., James L. Stookey, Timothy G. Terrell, and George D. Whitney. FIBROUS OSTEODYSTROPHY IN AN OPOSSUM. *J. Wildl. Dis.* 11(2): 221-223, 2 figs. Apr. 1975. *WR 157: 38*
[U. S. Army Med. Res. Inst. Infectious Dis., Ft. Detrick, Frederick, Md. 21701]
"Didelphis marsupialis."

OTHER MAMMALS--Continued

Maynes, G. M. OCCURRENCE AND FIELD RECOGNITION OF *MACROPUS PARMA*. *Aust. Zool.* 18(2): 72-87, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 39*
[Macquarie Univ., North Ryde, New South Wales 2113, Australia]

Nachtigall, Werner, Rainer Grosch, and Thomas Schultze-Westrum. GLEITFLUG DES FLUGBEUTLERS *PETAURUS BREVICIPS PAPUANUS* (THOMAS): FLUGVERHALTEN UND FLUGSTEUERUNG. [GLIDING FLIGHT OF *PETAURUS BREVICEPS PAPUANUS* (THOMAS): FLIGHT BEHAVIOR AND FLIGHT CONTROL.] *J. Comp. Physiol.* 92(1): 105-115, illus. 1974. [From Biol. Abstr. 59(2), 1975. In German with English summ.] *WR 157: 39*
[Univ. Saarlandes, D-6600 Saarbruecken, West Germany]

Pine, Ronald H. ANATOMICAL AND NOMENCLATURAL NOTES ON OPOSSUMS. *Proc. Biol. Soc. Wash.* 86(33): 391-402. 1973. [From Biol. Abstr. 59(2), 1975.] *WR 157: 39*
[George Williams Coll., 555 Thirty-First St., Downers Grove, Ill. 60515]

Schaller, George B. GOLDEN SHADOWS, FLYING HOOVES. *Alfred A. Knopf* (New York). xiii + 287 p., illus. 5.75 x 8.5 in. 1973. Price $8.95. *WR 157: 39*
A popular account interspersed with scientific data on the great African predators. The 3-years of observations of the habits, the hunting methods, the social systems and the behavior of the lion, wild dog, cheetah, leopard and hyena on the Tanzanian plains are recounted in a fascinating manner. Two chapters are devoted to "man"--one a current account of "the most dangerous predator" and the second an attempt to reconstruct the hunting behavior pattern of the pre-human *Australopithecus*.

Severinghaus, C. W. OCCURRENCE OF THE OPOSSUM IN THE CENTRAL ADIRONDACKS. *N.Y. Fish Game J.* 22(1): 80. Jan. 1975. *WR 157: 39*
"Didelphis marsupialis virginiana."

Tenaza, Richard Reuben. I. MONOGAMY, TERRITORY AND SONG AMONG KLOSS' GIBBONS *(HYLOBATES KLOSSII)* IN SIBERUT ISLAND, INDONESIA. II. KLOSS' GIBBON SLEEPING TREES RELATIVE TO HUMAN PREDATION: IMPLICATIONS FOR THE SOCIO-ECOLOGY OF FOREST-DWELLING PRIMATES. *Ph. D. thesis, Univ. Calif.* (Davis). 120 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(10), 1975.] *WR 157: 39*

BIRDS--GENERAL

Kozena-Touskova, Ivana. COMPOSITION OF NESTS OF BIRDS BREEDING IN THE PHRAGMITION PLANT COMMUNITY. *Prirodoved Pr. Ustavu. Cesk. Akad. Brne* 7(7): 1-36, illus. 1973. [From Biol. Abstr. 59(3), 1975.] *WR 157: 39*
[Czech. Acad. Sci., Kvetna 8, 603 65 Brno, Czechoslovakia] *"Anser anser, Fulica atra, Ixobrychus minutus, Acrocephalus arundinaceus, A. scirpaceus* and *A. schoenobaenus."*

Makatsch, Wolfgang. UEBER EINIGE WENIG BEKANNTE VOGELEIER. [ON SEVERAL LITTLE-KNOWN BIRD EGGS.] *Bonn. Zool. Beitr.* 25(1-3): 148-164, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 39*
[Martin-Hoop-Str. 43, 86 Bautzen, East Germany] *"Grus japonensis, G. vipio, G. leucogeranus, Charadrius leschenaultii, Pluvialis squatarola, P. apricaria apricaria, P. apricaria altifrons, Limnodromus scolopaceus, Scolopax mira, Calidris ruficollis, C. acuminata, Micropalama himantopus, Rhodostethia rosea* and *Phoenicurus erythrogaster."*

Robbins, Sam. THE WILLOW AND ALDER FLYCATCHERS IN WISCONSIN: A PRELIMINARY DESCRIPTION OF SUMMER RANGE. *Passenger Pigeon* 36(4): 147-152, 3 figs. Winter 1974. *WR 157: 39*
[Box 117, Cadott, Wis.] *"Empidonax traillii* and *E. alnorum."*

Tatum, J. B. ON KILLING BIRDS. *Bird-Banding* 45(4): 315-319. Autumn 1974. *WR 157: 39*
[305-1680 Poplar Ave., Victoria, B.C., Canada V8P 4K7] A rebuttal to an article by Alan R. Phillips favoring scientific collecting of birds.--Courtesy/ Paul A. Stewart.

BIRDS--TECHNIQUES

Bray, Olin E., Richard E. Johnson, and A. Lawrence Kolz. A REMOVABLE CAR-TOP ANTENNA SYSTEM FOR RADIO-TRACKING BIRDS. *Bird-Banding* 46(1): 15-18, 2 figs. Winter 1975. *WR 157: 40*

[Denver Wildl. Res. Cent., Denver, Colo. 80225] The system enables the observer to monitor instrumented birds from inside the transporting vehicle and gives about 10% greater reception distances than a hand-held antenna.--Courtesy/ Paul A. Stewart.

Fentress, Carl. "POP" RIVET FASTENERS FOR COLOR MARKERS. *Inland Bird Banding News* 47(1): 3-9, 5 figs. Jan.-Feb. 1975. *WR 157: 40*

[Tex. Parks & Wildl. Dep., 6124 Highway 290, West Austin 78746] *"Plegadis chihi."*--Courtesy/ Paul A. Stewart.

Johansson, Henrik. OM HACKNINGSFRAMGANG I HOLKAR AV TRA, TRABETONG, BAKUMEN OCH PLAST. [ABOUT HATCHING SUCCESSES IN NESTING-BOXES OF WOOD, WOODEN CONCRETE, BAKUMEN AND PLASTICS.] *Fauna Flora* 67(6): 242-245, illus. 1972. [From Biol. Abstr. 59(3), 1975. In Swedish.] *WR 157: 40*

[Postlada 3398, 740 45 Tarnsjo, Sweden]

Lohrer, Fred E. SOME TECHNIQUES USED IN A FIELD STUDY OF LOGGERHEAD SHRIKES. *Bird-Banding* 45(4): 361-362. Autumn 1974. *WR 157: 40*

[Archbold Biol. Stn., Rt. 2, Box 180, Lake Placid, Fla. 33852] On bait and type of traps used and hazards to birds in banding loggerhead shrikes *(Lanius ludovicianus)*.--Courtesy/ Paul A. Stewart.

Middleton, Alex L.A. AGE DETERMINATION IN THE AMERICAN GOLDFINCH. *Bird-Banding* 45(4): 293-296, 3 figs. Autumn 1974. *WR 157: 40*

[Univ. Guelph, Guelph, Ontario, Canada] *"Spinus tristis."*--Courtesy/ Paul A. Stewart.

Pinkowski, Benedict C. CRITERIA FOR SEXING EASTERN BLUEBIRDS IN JUVENILE PLUMAGE. *Inland Bird Banding News* 46(3): 88-90. May-June 1974. *WR 157: 40*

[Wayne State Univ., Detroit, Mich. 48202] *"Sialia sialis."*--Courtesy/ Paul A. Stewart.

Raynor, Gilbert S. A SOLAR TIME CLASSIFICATION FOR DATA WITH DIURNAL VARIABILITY. *Bird-Banding* 46(1): 28-32, 1 fig. Winter 1975. *WR 157: 40*

[Schultz Rd., Manorville, Long Island, N.Y. 11949] The system permits data to be classified to the nearest hour relative to sunrise or sunset.--Courtesy/ Paul A. Stewart.

Roslien, David J. A REUSABLE CASSETTE HOLDER FOR SMALL BANDS. *Bird-Banding* 45(4): 362-363, 1 fig. Autumn 1974. *WR 157: 40*

[Luther Coll., Decorah, Iowa 52101] An adapted use for the container used to market oral contraceptive tablets.--Courtesy/ Paul A. Stewart.

Sawby, Scott W., and James A. Gessaman. TELEMETRY OF ELECTROCARDIOGRAMS FROM FREE-LIVING BIRDS: A METHOD OF ELECTRODE PLACEMENT. *Condor* 76(4): 479-481, 4 figs. Winter 1974. *WR 157: 40*

[Utah State Univ., Logan 84322] The electrode was placed inside the bird's body cavity.--Courtesy/ Paul A. Stewart.

Seel, D. C. A TUBE FOR HOLDING BIRDS DURING EXAMINATION OF MOLT IN THE FLIGHT FEATHERS. *Bird-Banding* 46(1): 74-75, 3 figs. Winter 1975. *WR 157: 40*

[Bangor Res. Stn., Penrhos Rd., Bangor LL57 2LQ United Kingdom] The tube is cone-shaped and made of a rolled piece of sheet metal with a projecting wing and opening over its full length from which a wing protrudes.--Courtesy/ Paul A. Stewart.

Yunick, Robert P. VERY FEW PURPLE FINCHES CAN BE SEXED BY WING CHORD LENGTH. *Inland Bird Banding News* 47(3): 86-88. May-June 1975. *WR 157: 40*

[1527 Myron Street, Schenectady, N.Y. 13209] *"Carpodacus purpureus."*--Courtesy/ Paul A. Stewart.

BIRDS--MORPHOLOGY & PHYSIOLOGY

Calder, William A. DAYLENGTH AND THE HUMMINGBIRDS' USE OF TIME. *Auk* 92(1): 81-97, 5 figs. Jan. 1975. *WR 157: 41*
[Univ. Ariz., Tucson 85721] Courtesy/ Paul A. Stewart.

Chappuis, C. ILLUSTRATION SONORE DE PROBLEMES BIOACOUSTIQUES POSES PAR LES OISEAUX DE LA ZONE ETHIOPIENNE. [A RECORDED ILLUSTRATION OF BIOACOUSTIC PROBLEMS POSED BY BIRDS AROUND ETHIOPIA.] *Alauda* 42(2): 197-222. 1974. [From Biol. Abstr. 59(3), 1975. In French.] *WR 157: 41*
[24 Rue de Carville, 76000 Rouen, France] The songs of birds from regions of Kenya, Gabon, Ivory Coast, Chad and Tanzania were recorded in an effort to study species differentiation and taxonomy. A comparative examination of recorded songs of 4 *Columba* spp., *Turturoena iriditorques*, 7 *Streptopelia* spp., *Stigmatopelia senegalensis*, *Oena capensis*, *Tympanistria tympanistria*, 4 *Turtur* spp., *Aplopelia larvata*, 2 *Treron* spp., 3 *Cuculus* spp., 2 *Cercococcyx* spp., *Pachycoccyx audeberti*, 3 *Clamator* spp., 4 *Chrysococcyx* spp., 5 *Centropus* spp. and *Ceuthmochares aereus* was made.

Eck, Siegfried. INTRASPEZIFISCHE AUSFORMUNGEN IM FLUEGELUND SCHWANZBAU BEI WUERGER-FORMENKREISEN DER GATTUNG *LANIUS* (AVES, LANIIDAE). [INTRASPECIFIC DEVELOPMENT IN THE WING AND TAIL FORMATION IN SHRIKE GROUPS OF THE GENUS *LANIUS* (AVES, LANIIDAE).] *Zool. Abh.* (Dresden) 32(7): 75-119, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German with French summ.] *WR 157: 41*
[Staatl. Mus. Tierkd., Augustusstr. 2, DDR-801 Dresden, East Germany] *"Lanius cristatus, L. souzae, L. tephronotus, L. collaris* and *L. spanocercus."*

Eck, Siegfried, and Bernd Geidel. DIE FLUEGEL-SCHWANZ-VERHAELTNISSE PALAEARKTISCHER WENDEHAELSE *(JYNX TORQUILLA)* (AVES, PICIDAE). [THE WING-TAIL RATIOS OF PALEARCTIC WRYNECKS *(JYNX TORQUILLA)* (AVES, PICIDAE).] *Zool. Abh.* (Dresden) 32(16): 257-265, illus.. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 41*
[Staatl. Mus. Tierkd., Augustusstr. 2, DDR-801 Dresden, East Germany]

Feduccia, Alan. MORPHOLOGY OF THE BONY STAPES *(COLUMELLA)* IN THE PASSERIFORMES AND RELATED GROUPS: EVOLUTIONARY IMPLICATIONS. *Univ. Kans. Mus. Nat. Hist. Misc. Publ.* no. 63. p. 1-34, 7 figs. + 16 pls. 30 May 1975. Price $3.00 paper. *WR 157: 41*
[Univ. N.C., Chapel Hill 27514]

Hausmann, Albert, and Klaus Hausmann. ZUM PROBLEM DES VOGEL-ALBINISMUS. [ON THE PROBLEM OF BIRD ALBINISM] *Ornithol. Mitt.* 26(6): 111-113, illus. June 1974. In German. *WR 157: 41*
[Küpershof 18, D 465 Gelsenkirchen, West Germany]

Kelley, James Mac. DAILY AND SEASONAL PINEAL MELATONIN RHYTHMS IN A MIGRATORY SPARROW, *ZONOTRICHIA ALBICOLLIS*. *Ph. D. thesis, Clemson Univ.* 54 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 41*

Kendeigh, S. Charles. EFFECT OF PARENTAGE ON EGG CHARACTERISTICS. *Auk* 92(1): 163-164. Jan. 1975. *WR 157: 41*
[Univ. Ill., Champaign 61820] The author corrected an error in statistical analysis of data he earlier published (1956, Auk 73: 42-65) resulting in a reversal of the conclusion. The revised analysis indicated that parentage has an effect on the length and breadth dimensions of eggs.--Courtesy/ Paul A. Stewart.

Ketterson, Ellen Dorcas. GEOGRAPHIC VARIATION IN SEX RATIO AMONG WINTERING DARK-EYED JUNCOS *(JUNCO HYEMALIS)*. *Ph. D. thesis, Ind. Univ.* 99 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(10), 1975.] *WR 157: 41*

Morton, Eugene S. ECOLOGICAL SOURCES OF SELECTION ON AVIAN SOUNDS. *Am. Nat.* 109 (965): 17-34, 6 figs. Jan.-Feb. 1975. *WR 157: 41*
[Natl. Zool. Park, Washington, D. C. 20009]

Pierce, Aldona Mazac. ENERGETICS AND WATER ECONOMY IN THE WESTERN MEADOWLARK, *STURNELLA NEGLECTA. Ph. D. thesis, Univ. Calif.* (Irvine). 148 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 42*

Poltz, Jens, and Juergen Jacob. BUERZELDUESENSEKRETE BEI AMMERN (EMBERIZIDAE), FINKEN (FRINGILLIDAE) UND WEBERN (PLOCEIDAE). [UROPYGIAL GLAND SECRETION IN BUNTINGS (EMBERIZIDAE), FINCHES (FRINGILLIDAE) AND WEAVERS (PLOCEIDAE).] *J. Ornithol.* 115(2): 119-126. 1974. [From Biol. Abstr. 59(2), 1975. In German with English summ.] *WR 157: 42*
[Biochem. Inst. Umweltcarcinogene, Sieker Landstr. 19, 207 Ahrensburg, West Germany] *"Emberiza schoeniclus, E. bruniceps, Fringilla coelebs, F. montifringilia, Serinus serinus, Carduelis chloris, C. spinus, C. flammea, C. cannabina, Loxia curvirostra, Pyrrhula pyrrhula, Ploceus cucullatus, P. subaureus, P. galbula, Ploceus* sp., *Quelea quelea, Passer montanus* and *P. domesticus.*

Stattelman, A. J., R. B. Talbot, and D. B. Coulter. OLFACTORY THRESHOLDS OF PIGEONS *(COLUMBA LIVIA)*, QUAIL *(COLINUS VIRGINIANUS)* AND CHICKENS *(GALLUS GALLUS). Comp. Biolchem. Physiol. A. Comp. Physiol.* 50(4): 807-809. 1 Apr. 1975. *WR 157: 42*
[Univ. Ga., Athens 30602]

Taylor, Walter Kingsley. BILL DEFORMITIES IN TWO FLORIDA BIRDS. *Fla. Field Nat.* 1(2): 22-24, [1 fig.] Fall 1973. *WR 157: 42*
[Fla. Tech. Univ., Orlando 32816] *"Colaptes auratus* and *Toxostoma rufum."*

Ullrich, Brunno. UEBER DIE POSTNUPTIALE MAUSER DES ROTKOPFWUERGERS *(LANIUS SENATOR).* [ON THE POSTNUPTIAL MOLT OF *LANIUS SENATOR.*] *J. Ornithol.* 115(1): 79-85, illus. 1974. [From Biol. Abstr. 59(2), 1975. In German with English summ.] *WR 157:42*
[Paedagog. Hochsch., 73 Esslingen, West Germany]

Voronov, N. P. [ADAPTIVE CHARACTERISTICS OF THE DIGESTIVE SYSTEM OF INSECTIVOROUS AND GRANIVOROUS BIRDS.] *Vestn. Zool.* 7(5): 11-17. 1973. [From Biol. Abstr. 59(2), 1975. In Russian with English summ.] *WR 157: 42*
[Chuv. Agric. Inst., Cheboksary, USSR] *"Apus apus, Riparia riparia, Motacilla alba, S. vulgaris, Coccothraustes coccothraustes, Pyrrhula pyrrhula, Carduelis carduelis, Acanthis flammea, Acanthis cannabina* birds."

Willson, Mary F., James R. Karr, and Roland R. Roth. ECOLOGICAL ASPECTS OF AVIAN BILL-SIZE VARIATION. *Wilson Bull.* 87(1): 32-44. Mar. 1975. *WR 157: 42*
[Univ. Ill., Champaign 61820] Courtesy/ Paul A. Stewart.

Wolf, Larry L. ENERGY INTAKE AND EXPENDITURES IN A NECTAR-FEEDING SUNBIRD. *Ecology* 56(1): 92-104, 11 figs. Winter 1975. *WR 157: 42*
[Syracuse Univ., Syracuse, N.Y. 13210] *"Nectarinia famosa."*--Courtesy/ Paul A. Stewart.

Wolf, Larry L. MECHANISM OF FEATHER REPLACEMENT IN A HUMMINGBIRD. *Auk* 92(1): 152. Jan. 1975. *WR 157: 42*
[Syracuse Univ., Syracuse, N.Y. 13210] *"Eugenes fulgens"*--Courtesy/ Paul A. Stewart.

Wolf, Larry L., F. Reed Hainsworth, and Frank B. Gill. FORAGING EFFICIENCIES AND TIME BUDGETS IN NECTAR-FEEDING BIRDS. *J. Parasitol.* 56(1): 117-128, 10 figs. Winter 1975. *WR 157: 42*
[Syracuse Univ., Syracuse, N.Y. 13210] Courtesy/ Paul A. Stewart.

BIRDS--BEHAVIOR

Alvarez, Humberto. THE SOCIAL SYSTEM OF THE GREEN JAY *(CYANOCORAX YNCAS)* IN COLOMBIA. *Ph. D. thesis, Cornell Univ.* 148 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 42*

Baier, Ernst. ÜBER DAS FLUG-ANHASSEN AUF SITZENDE VÖGEL IN NESTNÄHE DURCH WACHOLDERDROSSEL *(TURDUS PILARIS)* UND RAUCHSCHWALBE *(HIRUNDO RUSTICA)*. [ON THE MOBBING OF BIRDS PERCHED IN THE NEST AREA BY FIELDFARE *(TURDUS PILARIS)* AND BARN SWALLOW *(HIRUNDO RUSTICA)*.] *Ornithol. Mitt.* 26(9): 177-178. Sept. 1974. In German. *WR 157: 43*
[D 8491 Grafenwiesen 113]

Bergmann, Hans-Heiner. DIE IMITATIONSLEISTUNG EINER MISCHSAENGER DORNGRASMUECKE *(SYLVIA COMMUNIS)*: EIN BEITRAG ZUM PROBLEM ANGEBORENER UND ERWORBENER GESANGSMERKMALE. [IMITATIVE PARAMETERS IN THE MIXED SONG OF A WHITETHROAT *(SYLVIA COMMUNIS* LATH): A CONTRIBUTION TO THE PROBLEM OF HEREDITARY AND CONGENITAL SONG TRAITS.] *J. Ornithol.* 114(3): 317-338, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 43*
[Fachber. Biol. Ketzerbach 63, D-355 Marburg, West Germany]

Best, Louis Brown. BREEDING ECOLOGY OF THE FIELD SPARROW *(SPIZELLA PUSILLA)*. *Ph. D. thesis, Univ. Ill.* (Urbana-Champaign) 163 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 43*

Borror, Donald J. BIRD SONG. *Am. Birds.* 29(1): 3-7, illus. Feb. 1975. *WR 157: 43*
[Ohio State Univ., Columbus 43210]

Brosset, André. LA NIDIFICATION DES OISEAUX EN FORET GABONAISE: ARCHITECTURE, SITUATION DES NIDS ET PREDATION. [NESTING OF THE BIRDS IN THE FORESTS OF GABON: ARCHITECTURE, LOCATION OF THE NESTS AND PREDATION.] *Terre Vie* 28(4): 579-610, 17 figs. Oct.-Dec. 1974. In French with English summ. *WR 157: 43*
[Mus. Natl. Hist. Nat., 4 Avenue du PetitChâteau, 91800 Brunoy, France] During a five year period data were collected on the location and the architecture of the nests of 110 species of rain forest birds in North East Gabon.-- From summ.

Bruderer, Bruno, Bernard Jacquat, and Ulrich Brückner. ZUR BESTIMMUNG VON FLÜGELSCHLAGFREQUENZEN TAG- UND NACHTZIEHENDER VOGELARTEN MIT RADAR. [ON THE DETERMINATION OF WING-BEAT FREQUENCY OF DAY- AND NIGHT-MIGRATING BIRD SPECIES BY RADAR.] *Ornithol. Beob.* 69:189-206, 5 figs. 1972. In German with English summ. *WR 157: 43*
[Swiss Ornithological Station, 6204 Sempach, Switzerland]

Chipley, Robert MacNeill. WINTERING MIGRANT WOOD WARBLERS AND THEIR IMPACT ON RESIDENT INSECTIVOROUS PASSERINES IN A SUBTROPICAL COLOMBIAN OAK WOODS. *Ph. D. thesis Cornell Univ.* 123 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 43*

Colwell, Robert K., Burr J. Betts, Pille Bunnell, F. Lynn Carpenter, and Peter Feinsinger. COMPETITION FOR THE NECTAR OF *CENTROPOGON VALERII* BY THE HUMMINGBIRD *COLIBRI THALASSINUS* AND THE FLOWER-PIERCER *DIGLOSSA PLUMBEA*, AND ITS EVOLUTIONARY IMPLICATIONS. *Condor* 76(4): 447-452, 1 fig. Winter 1974. *WR 157: 43*
[Univ. Calif., Berkeley 94720] The hummingbird concentrates on flowers on the outer and upper parts of shrubs; the flower-piercer feeds more often on inner and lower flowers.--Courtesy/ Paul A. Stewart.

Cowan, P. J. SYNTHETIC PARENTAL CALLS, AUDITORY DISCRIMINATION LEARNING AND INDIVIDUAL RECOGNITION BY YOUNG PRECOCIAL BIRDS: FREQUENCY, INTENSITY AND DURATION. *J. Zool. Proc. Soc. Lond.* 172(3): 317-330, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 43*
[Univ. Manitoba, Winnipeg, Manitoba, Canada]

Curio, E. THE FUNCTIONAL ORGANIZATION OF ANTI-PREDATOR BEHAVIOUR IN THE PIED FLYCATCHER: A STUDY OF AVIAN VISUAL PERCEPTION. *Anim. Behav.* 23(1): 1-115, 42 figs. + 3 pls. Feb. 1975. *WR 157: 43*
[Ruhr-Universität, 463 Bochum, Postfach 2148, West Germany] *"Ficedula hypoleuca."*

Emde, Falco. ZUR BRUTBIOLOGIE DES EISVOGELS--*ALCEDO ATTHIS.* [ON THE BREEDING BIOLOGY OF THE COMMON KINGFISHER--*ALCEDO ATTHIS.*] *Luscinia* 42(1): 95. 1970. In German. *WR 157: 44*
[Briloner Landstr. 8, 354 Korbach, West Germany]

Emmrich, Rainer. DAS NAHRUNGSSPEKTRUM DER DORNGRASMUECKE *(SYLVIA COMMUNIS* LATH.*)* IN EINEM GEBUESCH-BIOTOP DER INSEL HIDDENSEE (AVES, SYLVIIDAE): EIN BEITRAG ZUR KENNTNIS DER ERNAEHRUNGSBIOLOGIE VON SINGVOEGELN. [THE FOOD SPECTRUM OF THE WHITETHROAT *(SYLVIA COMMUNIS* LATH.*)* IN A BUSHY BIOTOPE ON THE ISLAND OF HIDDENSEE (AVES, SYLVIIDAE): A CONTRIBUTION TO THE KNOWLEDGE OF THE NUTRITIONAL BIOLOGY OF SONGBIRDS.] *Zool. Abh.*(Dresden) 32(18): 275-307, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 44*
[Staatl. Mus. Tierkd., Augustusstr. 2, DDR-801 Dresden, East Germany]

Ewert, David. NOTES ON NESTS OF FOUR AVIAN SPECIES FROM THE COASTAL CORDILLERA OF VENEZUELA. *Wilson Bull.* 87(1): 105-106. Mar. 1975. *WR 157: 44*
[Am. Mus. Nat. Hist., New York, N.Y. 10024] Courtesy/ Paul A. Stewart.

Feinsinger, Peter. ORGANIZATION OF A TROPICAL GUILD OF NECTIVOROUS BIRDS. *Ph. D. thesis, Cornell Univ.* 169 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 44*

Ficken, Millicent S., and Robert W. Ficken. IS THE GOLDEN-WINGED WARBLER A SOCIAL MIMIC OF THE BLACK-CAPPED CHICKADEE? *Wilson Bull.* 86(4): 468-471, 2 figs. Dec. 1974. *WR 157: 44*
[Univ. Wis., Milwaukee] *"Vermivora chryseoptera* and *Parus atricapillus."*--Courtesy/ Paul A. Stewart.

Flux, John E. C. FANTAIL RE-USING A TILTED NEST. *Notornis* 21(2): 184-186, 1 fig. June 1974. *WR 157: 44*
[Ecol. Div., DSIR, Lower Hutt, New Zealand] *"Rhipidura fuliginosa."*

Forsythe, Dennis Martin. SONG CHARACTERISTICS OF SYMPATRIC AND ALLOPATRIC INDIGO AND PAINTED BUNTING POPULATIONS IN THE SOUTHEASTERN UNITED STATES. *Ph. D. thesis, Clemson Univ.* 118 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 44*
"Passerina ciris and *P. cyanea."*

Gass, Clifton Leroy. FEEDING TERRITORIALITY IN POSTBREEDING MIGRATORY RUFOUS HUMMINGBIRDS. *Ph. D. thesis, Univ. Oreg.* 148 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 44*

Harvey, Paul H., Catherine A. Jordan, and John A. Allen. SELECTION BEHAVIOUR OF WILD BLACKBIRDS AT HIGH PREY DENSITIES. *Heredity* 32(3): 401-404. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 44*
[Univ. Sussex, Falmer, Brighton, Sussex, England]

Hebrard, James Jack. HABITAT PARTITIONING IN TWO SPECIES OF *SPIZELLA* (AVES: EMBERIZIDAE): A CONCURRENT LABORATORY AND FIELD STUDY. *Ph. D. thesis, Clemson Univ.* 39 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 44*
"Spizella passerina and *S. pusilla."*

Hendricks, D. Paul. COPULATORY BEHAVIOR OF A PAIR OF YELLOW-BILLED CUCKOOS. *Auk* 92(1): 151. Jan. 1975. *WR 157: 44*
[305 E. Maplewood Ave., Littleton, Colo. 80121] A pair of yellow-billed cuckoos *(Coccyzus americanus)* held a stick in their bills during copulation, the stick being brought by the male.--Courtesy/ Paul A. Stewart.

Hilty, Steven L. NOTES ON BIRDS AT SWARMS OF ARMY ANTS IN THE HIGHLANDS OF COLOMBIA. *Wilson Bull.* 86(4): 479-481. Dec. 1974. *WR 157: 44*
[Univ. Ariz., Tucson, 85721] Courtesy/ Paul A. Stewart.

Hoeher, Siegfried. SINGDROSSELN *(TURDUS PHILOMELOS)* SINGEN AM BODEN. [SONG THRUSHES *(TURDUS PHILOMELOS)* SING ON THE GROUND.] *Ornithol. Mitt.* 26(5): 102. May 1974. In German. *WR 157: 45*
[Immenberg 2, D 479 Paderborn, West Germany]

Holcomb, Larry C. THE INFLUENCE OF NEST BUILDING AND EGG LAYING BEHAVIOR ON CLUTCH SIZE IN RENESTS OF THE WILLOW FLYCATCHER. *Bird-Banding* 45(4): 320-325. Autumn 1974. *WR 157: 45*
[P.O. Box 24, Mogadiscio, Somali Democratic Republic] *"Empidonax traillii."*--Courtesy/ Paul A. Stewart.

Holleback, Mary. BEHAVIORAL INTERACTIONS AND THE DISPERSAL OF THE FAMILY IN BLACK-CAPPED CHICKADEES. *Wilson Bull.* 86(4): 466-468, 2 figs. Dec. 1974. *WR 157: 45*
[605A N. 59th St., Wauwatosa, Wis. 53213] *"Parus atricapillus."*--Courtesy/ Paul A. Stewart.

Jackson, Jerome A., and James Tate, Jr. AN ANALYSIS OF NEST BOX USE BY PURPLE MARTINS, HOUSE SPARROWS, AND STARLINGS IN EASTERN NORTH AMERICA. *Wilson Bull.* 86(4): 435-449, 1 fig. Dec. 1974. *WR 157: 45*
[Miss. State Univ., Mississippi State 39762] *"Progne subis, Passer domesticus* and *Sturnus vulgaris."*--Courtesy/ Paul A. Stewart.

Jilka, Alfred, and Bernd Leisler. DIE EINPASSUNG DREIER ROHRSAENGERARTEN *(ACROCEPHALUS SCHOENOBAENUS, A. SCIRPACEUS, A. ARUNDINACEUS)* IN IHRE LEBENSTRAEUME IN BEZUG AUF DAS FREQUENZSPEKTRUM IHRER REVIERGESAENGE. [THE RELATION BETWEEN THE FREQUENCY SPECTRUM OF THEIR TERRITORIAL SONGS OF THREE REED WARBLER SPECIES *(ACROCEPHALUS SCHOENOBAENUS, A. SCIRPACEUS, A. ARUNDINACEUS)* AND THEIR RESPECTIVE HABITATS.] *J. Ornithol.* 115(2): 192-212, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 45*

Kaňuščák, Pavel. POKUS O PREZIMOVANIE PENICE OBYČAJNEJ *(SYLVIA COMMUNIS* LATH.) NA SLOVENSKU. [A STUDY OF OVER-WINTERING IN THE WHITE THROAT *SYLVIA COMMUNIS* IN SLOVAKIA.] *Zb. Slov. Nar. Mus.* 14(1): 161-162. 1968. In Slovak with German summ. *WR 157: 45*

Kilham, Lawrence. ASSOCIATION OF RED-BREASTED NUTHATCHES WITH CHICKADEES IN A HEMLOCK CONE YEAR. *Auk* 92(1): 160-162. Jan. 1975. *WR 157: 45*
[Dartmouth Medical School, Hanover, N.H. 03755] *"Sitta canadensis* and *Parus atricapillus."*--Courtesy/ Paul A. Stewart.

Kilham, Lawrence. EARLY BREEDING SEASON BEHAVIOR OF DOWNY WOODPECKERS. *Wilson Bull.* 86(4): 407-418. Dec. 1974. *WR 157: 45*
[Dartmouth Medical School, Hanover, N.H. 03755] *"Dendrocopos pubescens."*--Courtesy/ Paul A. Stewart.

Krantz, Palmer E., and Sidney A. Gauthreaux, Jr. SOLAR RADIATION, LIGHT INTENSITY, AND ROOSTING BEHAVIOR IN BIRDS. *Wilson Bull.* 87(1): 91-95, 2 figs. Mar. 1975. *WR 157: 45*
[Clemson Univ., Clemson, S. C. 29631] The movement of brown-headed cowbirds *(Molothrus ater)* toward the roosting site was closely associated with the total daily amount of solar radiation.--Courtesy/ Paul A. Stewart.

Krebs, John R., John C. Ryan, and Eric L. Charnov. HUNTING BY EXPECTATION OR OPTIMAL FORAGING? A STUDY OF PATCH USE BY CHICKADEES. *Anim. Behav.* 22(4): 953-964, 3 figs. + 1 pl. Nov. 1974. *WR 157: 45*
[Dep. Zool., South Parks Road, Oxford OX1 3PS, England] *"Parus atricapillus."*

Kroodsma, Roger L. HYBRIDIZATION IN BUNTINGS *(PASSERINA)* IN NORTH DAKOTA AND EASTERN MONTANA. *Auk* 92(1): 66-80, 2 figs. Jan. 1975. *WR 157: 45*
[Univ. Ga., Athens 30601] *"Passerina cyanea* and *P. amoena."*-- Courtesy/ Paul A. Stewart.

Kumerloeve, H. HERBST- UND VORZEITIGER FRÜHJAHRSGESANG BEIM GIRLITZ *(SERINUS SERINUS).* [FALL AND PREMATURE SPRING SONG OF THE SERIN *(SERINUS SERINUS).*] *Ornithol. Mitt.* 26(11): 235. Nov. 1974. In German. *WR 157: 46*
[Hubert-Reissner-Strasse 7, D 8032 München-Gräfeling, West Germany]

Kunkel, Peter. MATING SYSTEMS OF TROPICAL BIRDS: THE EFFECTS OF WEAKNESS OR ABSENCE OF EXTERNAL REPRODUCTION-TIMING FACTORS, WITH SPECIAL REFERENCE TO PROLONGED PAIR BONDS. *Z. Tierpsychol.* 34(3): 265-307. 1974. [From Biol. Abstr. 59(3), 1975. In English with French and German summ.] *WR 157: 46*
[Maria-Eich-Str. 22, D-8000 München 60, West Germany]

Lensch, Asmus. ZUM FLUG-ANHASSEN DURCH SINGVÖGEL [ON MOBBING BY SONGBIRDS.] *Ornithol. Mitt.* 26(6): 118. June 1974. In German. *WR 157: 46*
[Ernst-Günter-Albers-Strasse 9, D 2223 Meldorf, West Germany]

Lynch, Gerry M., and John E. Toepfer. CALIFORNIA GULLS ATTACK WATERFOWL BROODS IN ALBERTA. *Auk* 92(1): 159-160. Jan. 1975. *WR 157: 46*
[Alberta Fish & Wildl. Div., P. O. Box 1390, Edson, Alberta, T0E 0P0, Canada]
California gulls *(Larus californicus)* captured lesser scaup *(Aythya affinis)* and American wigeon *(Anas americana)* ducklings when these were exposed on the water.--Courtesy/ Paul A. Stewart.

Matoušek, Branislav. HNIEZDENIE STEHLÍKOV ČEČETAVÝCH *(CARDUELIS FLAMMEA)* NA SLOVENSKU. [NESTING RECORDS OF THE COMMON REDPOLL *CARDUELIS FLAMMEA* IN SLOVAKIA.] *Zb. Slov. Nar. Mus.* 14(1): 153-157. 1968. In Slovak with German summ. *WR 157: 46*

Matoušek, Branislav. VZŤAH MEDZI SUBSPÉCIAMI STRNÁDKY TRSTINOVEJ *EMBERIZA SCHOENICLUS SCHOENICLUS* (LINNAEUS 1758), *EMBERIZA SCHOENICLUS STEINBACHERI* DEMENTIEW 1937 A *EMBERIZA SCHOENICLUS WOTIAKORUM* (PORTENKO 1960). [THE RELATION BETWEEN THE SUBSPECIES OF REED-BUNTINGS *EMBERIZA SCHOENICLUS, E.S. STEINBACHERS* AND *E.S. WOTIAKORUM.*] *Zb. Slov. Nar. Mus.* 15(1): 59-76, 11 figs. 1969. In Slovak with German summ. *WR 157: 46*

Matoušek, František. ZMIEŠANÉ A DVOJITÉ NÁSADY VTÁKOV. [MIXED AND DOUBLE BROODS OF BIRDS.] *Zb. Slov. Nar. Mus.* 15(1): 55-58, 3 figs. 1969. In Slovak with German summ. *WR 157: 46*

McNicholl, Martin K. INTERACTIONS BETWEEN FORSTER'S TERNS AND AMERICAN COOTS. *Wilson Bull.* 87(1): 109-110. Mar. 1975. *WR 157: 46*
[Univ. Alberta, Edmonton, Alberta T6G 2E1, Canada] *"Fulica americana* and *Sterna fosteri."*--Courtesy/ Paul A. Stewart.

Meineke, Thomas. EIN ATYPISCH SINGENDER BUCHFINK *(FRINGILLA COELEBS).* [AN ATYPICALLY SINGING CHAFFINCH *(FRINGILLA COELEBS).*] *Ornithol. Mitt.* 26(5): 102. May 1975. In German. *WR 157: 46*
[Am Eichelbach D 342 Herzberg/Harz, West Germany]

Meineke, Thomas. INTERSPEZIFISCHE VERHALTENSWEISEN VON DREI SYNCHRON UND IN EINEM BAUMSTAMM BRÜTENDEN HÖHLENBRÜTERARTEN. [INTERSPECIFIC BEHAVIORAL TRAITS OF THREE CAVITY-NESTING SPECIES BROODING SIMULTANEOUSLY IN ONE TREE TRUNK.] *Ornithol. Mitt.* 26(9): 184. Sept. 1974. In German. *WR 157: 46*
[Am Eichelbach, D 342 Herzberg/Harz, West Germany] *"Dendrocopus major, Ficedula hypoleuca,* and *Sturnus vulgaris."*

Mitsch, Hansjoachim. ÜBER FLUCHTREAKTIONEN BEI DEN DUNKELWUSTENHACKERN *(UPUCERTHIA DAMETORIA).* [THE FLIGHT REACTION OF THE SCALE-THROATED EARTHCREEPER *(UPUCERTHIA DAMETORIA).*] *Ornithol. Mitt.* 26(5): 98-101, illus. May 1974. In German. *WR 157: 46*
[Gollanczstrasse 35, D 1 Berlin 28, West Germany]

Morse, Douglass H. FORAGING OF PINE WARBLERS ALLOPATRIC AND SYMPATRIC TO YELLOW-THROATED WARBLERS. *Wilson Bull.* 86(4): 474-477. Dec. 1974. *WR 157: 47*
[Univ. Md., College Park 20742] *"Dendroica dominica* and *D. pinus."*--Courtesy/ Paul A. Stewart.

Nesbitt, Stephen A. BLUE GEESE WINTERING WITH SANDHILL CRANES. *Wilson Bull.* 87(1): 114-115. Mar. 1975. *WR 157: 47*
[Fla. Game & Fresh Water Fish Comm., 4005 S. Main, Gainesville 32601] *"Chen caerulescens* with *Grus canadensis."*

Nowak, Eugeniusz. ÜBER DAS VERHALTEN DER KLEINVÖGEL GEGENÜBER DER TÜRKENTAUBE. [ON THE BEHAVIOR OF SMALL BIRDS TOWARD THE COLLARED DOVE.] *Ornithol. Mitt.* 26(6): 116-118. June 1974. In German. *WR 157: 47*
[Warsaw Univ., 00-972/1 Warsaw, Poland] "Mobbing of *Streptopelia decaocto* by *Passer domesticus, Turdus merula, Motacilla alba, Fringilla coelebs, Hirundo rustica, Delichon urbica, Parus major, Phylloscopus collybita,* and *Sturnus vulgaris."*

Pfeifer, Sebastian. PUTZEN UND EINFETTEN DER BACHAMSEL *(CINCLUS CINCLUS)* VOR DEM SCHLAFENGEHEN. [PREENING AND OILING BY THE DIPPER *(CINCLUS CINCLUS)* PRIOR TO SLEEPING.] *Ornithol. Mitt.* 26(9): 185. Sept. 1974. In German. *WR 157: 47*
[Steinauer Strasse 33, D 6 Frankfurt/Main, West Germany]

Phillips, Allan R. AVIAN BREEDING CYCLES: ARE THEY RELATED TO PHOTOPERIODS? *An. Inst. Biol. Univ. Nac. Auton. Mex. Ser. Zool.* 42(1): 87-98. 1971(1973). [From Biol. Abstr. 59(3), 1975. In English with Spanish summ.] *WR 157: 47*
[Univ. Nac. Auton. Mex., Ciudad Univ., Villa Obregon, Mexico D. F., Mexico] *"Aimophila* spp., especially *A. cassini."*

Pinkowski, Benedict C. A COMPARATIVE STUDY OF THE BEHAVIORAL AND BREEDING ECOLOGY OF THE EASTERN BLUEBIRD *(SIALIA SIALIS). Ph. D. thesis, Wayne State Univ.* 484 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 47*

Pinkowski, Benedict C. AN ADDITIONAL RECORD OF TWO TREE SWALLOW FEMALES USING THE SAME NEST BOX. *Wilson Bull.* 87(1): 112-113. Mar. 1975. *WR 157: 47*
[60510 Campground, Washington, Mich.] *"Iridoprocne bicolor."*--Courtesy/ Paul A. Stewart.

Oelke, Hans, and Peter H. Klopfer. LICHT ALS STIMULATIONSFAKTOR IN DER BIOTOPWAHL VON KATZENDROSSELN *(CUMETELLA CAROLINENSIS,* MIMIDAE*).* [LIGHT AS A STIMULATORY FACTOR IN THE HABITAT SELECTION OF GRAY CATBIRDS *(DUMETELLA CAROLINENSIS* MIMIDAE*).*] *J. Ornithol.* 111(3/4): 357-361. 1970. In German with English summ. *WR 157: 47*
[Ilsede, West Germany]

Ohlendorf, Harry M. COMPETITIVE RELATIONSHIPS AMONG KINGBIRDS *(TYRANNUS)* IN TRANS-PECOS TEXAS. *Wilson Bull.* 86(4): 357-373, 7 figs. Dec. 1974. *WR 157: 47*
[Patuxent Wildl. Res. Center, Laurel, Md. 20811] *"Tyrannus vertioalis* and *T. vociferans."*--Courtesy/ Paul A. Stewart.

Raikow, Robert J. SPECIES-SPECIFIC FORAGING BEHAVIOR IN SOME HAWAIIAN HONEY-CREEPERS *(LOXOPS). Wilson Bull.* 86(4): 471-474. Dec. 1974. *WR 157: 47*
[Univ. Pittsburgh, Pittsburgh, Pa. 15260] "Drepanididae."--Courtesy/ Paul A. Stewart.

Schifferli, Luc. FUTTERUNGSFREQUENZ AM NEST DER BERGSTELZE *MOTACILLA CINEREA* IN VERSCHIEDENEN BIOTOPEN UND BRUTMONATEN. [FEEDING FREQUENCY AT THE NEST OF THE GRAY WAGTAIL IN VARIOUS BIOTOPES AND BREEDING MONTHS.] *Ornithol. Beob.* 69: 257-274, 9 figs. 1972. In German with English summ. *WR 157: 47*
[Edward Grey Institute of Field Ornithology, South Parks Road, Oxford OX1 3 PS, England]

Short, Lester L. HABITS OF THREE ENDEMIC WEST INDIAN WOODPECKERS (AVES, PICIDAE). *Am. Mus. Novit.* 2549. p. 1-44, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 48*
[Am. Mus. Nat. Hist., Central Park W. at 79th St., New York, N.Y. 10024] Antillean piculet *(Nesocitites micromegas)*, the Guadeloupe *(Melanerpes herminieri)*, and Hispaniolan woodpeckers *(M. striatus.)*

Siegfried, W. R., and P.G.H. Frost. EGG TEMPERATURE AND INCUBATION BEHAVIOUR OF THE OSTRICH. *Madoqua* Ser. I no. 8. p. 63-66, 1 fig. 1974. *WR 157: 48*
[Percy FitzPatrick Inst. Afr. Ornithol., Rondebosch, South Africa] *"Struthio camelus."*

Smith, James N.M., and Hugh P.A. Sweatman. FOOD-SEARCHING BEHAVIOR OF TITMICE IN PATCHY ENVIRONMENTS. *Ecology* 55(6): 1216-1232, 16 figs. Autumn 1974. *WR 157: 48*
[Univ. B.C., Vancouver V6T 1W5, B.C., Canada] *"Parus major."*--Courtesy/ Paul A. Stewart.

Smith, Susan M. NEST-SITE SELECTION IN BLACK-CAPPED CHICKADEES. *Condor* 76(4): 478-479, 1 fig. Winter 1974. *WR 157: 48*
[Wellesley Coll., Wellesley, Mass. 02181] A male *Parus atricapillus* nested two successive years at the same site with different females, suggesting that he selected the nest site.--Courtesy/ Paul A. Stewart.

Smogorzhevskii, L. A. [EFFECT OF TRAINING ON THE VELOCITY OF THE BARN SWALLOW RETURNING TO THE NEST IN HOMING EXPERIMENTS.] *Vestn. Zool.* 1. p. 79-81. 1974. [From Biol. Abstr. 59(2), 1975. In Russian with English summ.] *WR 157: 48*
[Kiev State Univ., Kiev, USSR] *"Hirundo rustica."*

Sunkel, Werner. WEIDENMEISE--*PARUS MONTANUS*--BRÜTET IN BETON-NISTHÖHLE. [WILLOW TIT--*PARUS MONTANUS*--INCUBATES IN NEST HOLES IN CONCRETE.] *Luscinia* 42(1): 98. 1970. In German. *WR 157: 48*
[6413 Tann/Rhön, West Germany]

Temme, Manfred. JAUCHZEN UND WEGSEHEN AUF "ZEHENSPITZEN". [TRIUMPH AND VISUAL AVERSION ON "TIPTOE."] *Ornithol. Mitt.* 26(8): 152-154, 2 figs. 1974. In German. *WR 157: 48*
[C/O Embassy of the Federal Republic of Germany, P. O. Box 24, Manila, Philippines] *"Larus ridibundus,* and *L. argentatus."*

Van Den Elzen-Wichtl, Renate. ZUR BLAZ DER BARTMEISE *(PANURUS BIARMICUS)* IN GEFANGENSCHAFT. [ON THE DISPLAY OF THE BEARDED TIT IN CAPTIVITY.] *J. Ornithol.* 115(1): 86-90, illus. 1974. [From Biol. Abstr. 59(2), 1975. In German with English summ.] *WR 157: 48*
[Loudonstr. 54, A 1140 Vienna, Austria]

Varner, Donald, and Thelma Bird. BLUEBIRDS VS. HOUSE WRENS -- SOME DATA. *Inland Bird Banding News* 47(3): 97-102, [1 fig.] May-June 1975. *WR 157: 48*
[2802 Kirby Street, Champaign, Ill. 61820] Courtesy/ Paul A. Stewart.

Ward, Rodman, and Dorcas A. Ward. SONGS IN CONTIGUOUS POPULATIONS OF BLACK-CAPPED AND CAROLINA CHICKADEES IN PENNSYLVANIA. *Wilson Bull.* 86(4): 344-356, 4 figs. Dec. 1974. *WR 157: 48*
[55 Selborne Dr., Wilmington, Del. 19807] *"Parus atricapillus* and *P. carolinensis."*--Courtesy/ Paul A. Stewart.

Wawrzyniak, Heinz, and Gertfred Sohns. UEBER GELEGOGROESSE, NESTLINGSZEIT, BRUTFOLGE UND -VERLUSTE BEIM SEGGENROHRSAENGER, *ACROCEPHALUS PALUDICOLA* (VIEILLOT). [ON BROOD SIZE, NESTLING PERIOD, BROOD SUCCESSION AND LOSSES IN THE AQUATIC WARBLER, *ACROCEPHALUS PALUDICOLA* (VIEILLOT).] *Beitr. Vogelkd.* 20(1/2): 105-113. 1974. [From Biol. Abstr. 59(2), 1975. In German.] *WR 157: 48*
[Schillerstr. 12, 13 Eberswald-Finow 1, East Germany]

Wells, Michael C., Philip N. Lehner, Eric G. Bolen, and M. K. Rylander. COMPARISON OF SCOTOPIC SENSITIVITY IN DIURNAL *(ANAS PLATYRHYNCHOS)* AND CREPUSCULAR *(DENDROCYGNA AUTUMNALIS)* DUCKS. *J. Comp. Physiol. Psych.* 88(2): 940-944, 2 figs. 1975. *WR 157: 49*
[Lehner: Colo. State Univ. Fort Collins 80521]

Werler, Erica, and Edwin C. Franks. SOME UNUSUAL NEST SITES OF THE HOUSE SPARROW. *Wilson Bull.* 87(1): 113. Mar. 1975. *WR 157: 49*
[Western Ill. Univ., Macomb 61455] Nests of *Passer domesticus* were found in holes in baled hay and on top of old nests of barn swallows *(Hirundo rustica)* and American robins *(Turdus migratorius)*.--Courtesy/ Paul A. Stewart.

Woolfenden, Glen E. FLORIDA SCRUB JAY HELPERS AT THE NEST. *Auk* 92(1): 1-15 + 1 pl. Jan. 1975. *WR 157: 49*
[Univ. South Fla., Tampa 33620] *"Aphelocoma coerulescens."*--Courtesy/ Paul A. Stewart.

Zucchi, Herbert. NACHTGESANG VON GARTENROTSCHWANZ, HAUSROTSCHWANZ, ROTKEHICHEN UND RAUCHSCHWALBE. [NIGHT SONG OF REDSTART, BLACK REDSTART, ROBIN AND BARN SWALLOW.] *Ornithol. Mitt.* 26(6): 120-121. June 1974. In German. *WR 157: 49*
[Biegenstrasse 5, D 3550 Marburg/Lahn, West Germany] *"Phoenicurus phoenicurus, P. ochruros, Erithacus rubecula,* and *Hirundo rustica."*

Zvonov, B. M., and R. L. Beme. [VOICES OF CLOSELY-RELATED CUCKOO SPECIES.] *Vestn. Mosk. Univ. Ser. 6 Biol. Pochvoved.* 29(1): 34-36, illus. 1974. [From Biol. Abstr. 59(2), 1974. In Russian with English summ.] *WR 157: 49*
[Moscow Univ., Moscow, USSR]

BIRDS--MIGRATION & BANDING REPORTS

Bailey, Edgar P. WINTER BANDING OF PASSERINES ON THE ALASKA PENINSULA. *Bird-Banding* 45(4): 307-314, 1 fig. Autumn 1974. *WR 157: 49*
[U.S. Fish & Wildl. Serv., 813 D St., Anchorage, Alaska 99501] Reports of sex ratios and return rates for 5 spp.--Courtesy/ Paul A. Stewart.

Bruderer, Bruno, and Fritz Wassmann. BEACHTENSWERTE ZUGLEISTUNG EINES ROTKEHLCHENS. [NOTABLE MIGRATORY ACCOMPLISHMENT OF A EUROPEAN ROBIN.] *Ornithol. Beob.* 69: 180. 1972. *WR 157: 49*
[Swiss Ornithological Station, 6204 Sempach, Switzerland] "750 km. in three nights." *"Erithacus rebecula."*

Dupuy, A. R. PREMIER BAGUAGE D'OISEAUX AU PARC NATIONAL DU NIOKOLO-KOBA [FIRST BANDING OF BIRDS OF THE NIOKOLO-KOBA NATIONAL PARK.] *Bull. Inst. Fondam. Afr. Noire Ser. A Sci. Nat.* 31(4): 1406-1416, 4 figs. 1969. In French. *WR 157: 49*

Fernandez-Cruz, M. ACTIVIDADES DEL CENTRO DE MIGRACION DE LA SOCIEDAD ESPAÑOLA DE ORNITOLOGIA. [ACTIVITIES OF THE MIGRATION CENTER OF THE SPANISH SOCIETY OF ORNITHOLOGY.] *Ardeola* 20: 5-35. 1974. In Spanish. *WR 157: 49*
Bird-banding records for the period 1971-1972.

Fernandez-Cruz, M. CAPTURAS DE AVES ANILLADAS EN ESPAÑA: INFORME N°. 15/16 (AÑOS 1971-1972). [CAPTURES OF BANDED BIRDS IN SPAIN: REPORT NUMBER 15/16 (YEARS 1971/1972).] *Ardeola* 20: 37-122. 1974. In Spanish. *WR 157: 49*

Frelin, Christian. ANALYSE DES REPRISES DE MESANGE CHARBONNIERE *PARUS MAJOR* ET DE MESANGE BLEUE *PARUS CAERULEUS* BAGUEES EN SUISSE ET DANS LE MASSIF ALPIN FRANCAIS. [ANALYSIS OF RECOVERIES OF GREAT TITS *PARUS MAJOR* AND BLUE TITS *PARUS CAERULEUS* RINGED IN SWITZERLAND AND THE FRENCH ALPS.] *Alauda* 42(2): 189-196, illus. 1974. [From Biol. Abstr. 59(2), 1975. In French with English summ.] *WR 157: 49*
[Stn. Ornithol. La Goleze, Fac. Sci., 21000 Dijon, France]

Glutz von Blotzheim, Urs. N. HÖCHSTALTER SCHWEIZERISCHER RINGVÖGEL, 3. NACHTRAG. [OLDEST BANDED SWISS BIRDS. 3. SUPPLEMENT.] *Ornithol. Beob.* 66(5/6): 223-227. 1969. In German. *WR 157: 50*
[Swiss Ornithological Station, 6204 Sempach, Switzerland] "39 species including *Accipiter gentilis, Athene noctua, Parus major,* and *Corvus corax.*"

Johnson, A. R. STATION DE BAGUAGE DE CAMARGUE COMPTE RENDU POUR LES ANNEES 1972 ET 1973. [CAMARGUE BANDING STATION REPORT FOR THE YEARS 1972 AND 1973.] *Terre Vie* 29(1): 116-130. Jan.-Mar. 1975. In French. *WR 157: 50*
[Stn. Biol. Tour Valat, Le Sambuc, 13200 Arles, France]

Johnson, Ellis. A PRELIMINARY COMPARISON BETWEEN OPERATING A BIG CITY BANDING STATION AND ONE IN THE COUNTRY. *Inland Bird Banding News* 47(3): 89-96, [1 fig.] May-June 1975. *WR 157: 50*
[10893 Ursula Drive, Willow Springs, Ill. 60480] Courtesy/ Paul A. Stewart.

Kaňuščák, Pavel, and Viliam Kubán. NIEKOĽKO POZNÁMOK K JESENNÉMU ŤAHU VTÁKOV Z OKOLIA PIEŠŤAN. [SOME OBSERVATIONS OF THE SPRING MIGRATION OF BIRDS IN THE VICINITY OF PIEST'ANY.] *Zb. Slov. Nar. Mus.* 15(2): 153-158, 4 figs. 1969. In Slovak with German summ. *WR 157: 50*

Loftin, Horace. RECAPTURES AND RECOVERIES OF BANDED NATIVE PANAMANIAN BIRDS. *Bird-Banding* 46(1): 19-27. Winter 1975. *WR 157: 50*
[Box 3204, Balboa, Canal Zone] Courtesy/ Paul A. Stewart.

Matthes, Wili. VOGELBERINGUNG IN RHEINLAND-PFALZ. [BIRD TAGGING IN RHEINLAND-PFALZ.] *Emberiza* 2(3): 165-175, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 50*
[Mittelstr. 36, D 6712 Bobenheim-Roxheim 2, West Germany]

Moltoni, E. ELENCO DI PARECCHIE CENTINAIA DI UCCELLI INANELLATI ALL'ESTERO E RIPRESI IN ITALIA ED IN LIBIA. [ON THE CAPTURE IN ITALY AND LIBYA OF SEVERAL HUNDRED BIRDS PREVIOUSLY BANDED IN OTHER COUNTRIES.] *Riv. Ital. Ornithol.* 43(Suppl.): 1-182. 1973. [From Biol. Abstr. 59(3), 1975. In Italian.] *WR 157: 50*
[Mus. Civ. Stor. Nat., Corso Venezia 55, Milan, Italy]

Pineau, Jean, and Michel Giraud-Audine. NOTES SUR LES MIGRATEURS TRAVERSANT L'EXTREME NORD-OUEST DU MAROC. [NOTES ON MIGRATORY BIRDS CROSSING EXTREME NORTH-WESTERN MOROCCO.] *Alauda* 42(2): 159-188, illus. 1974. [From Biol. Abstr. 59(2), 1975. In French with English summ.] *WR 157: 50*
[Lycee Regnault, Tangiers, Morocco] A former invasion of *Pterocles* sp. is mentioned and data are given about *Gyps fulvus, Accipiter gentilis, Circus cyaneus* and *Acrocephalus paludicola.*

Stevenson, Henry M. MIGRATION OF THE BLUE JAY IN THE SOUTHEASTERN UNITED STATES. *Fla. Field Nat.* 1(1): 9-13. Spring 1973. *WR 157: 50*
[Fla. State Univ., Tallahassee 32306] *"Cyanocitta cristata."*

Temme, Manfred. MASSENDURCHZUG VON MAUERSEGLERN *(APUS APUS)* AUF NORDERNEY. [MASS MIGRATION OF SWIFTS *(APUS APUS)* ON NORDERNEY.] *Ornithol. Mitt.* 26(5): 113-114. June 1974. In German. *WR 157: 50*
[C/O Embassy of the Fed.Republic of Germany, P. O. Box 24, Manila, Philippines]

Wiltschko, Wolfgang. DER MAGNETKOMPASS DER GARTENGRASMUECKE *(SYLVIA BORIN).* [THE MAGNETIC COMPASS OF GARDEN WARBLERS, *SYLVIA BORIN.*] *J. Ornithol.* 115(1): 1-7, illus. 1974. [From Biol. Abstr. 59(2), 1975. In German with English summ.] *WR 157: 50*
[Frankfurt Univ., Siesmayerstr. 70, 6 Frankfurt/Main, West Germany]

BIRDS--MANUALS, FAUNAS, COMMUNITIES

Birkenholz, Dale E. THE SUMMER BIRDS OF GOOSE LAKE PRAIRIE NATURE PRESERVE, 1970-1973. *Nat. Hist. Misc.* no. 193. p. 1-11, 1 fig. 15 Jan. 1975. *WR 157: 51*
[Ill. State Univ., Normal]

Boere, G. C., and P. M. Zegers. WADVOGELTELLING IN HET NEDERLANDSE WADDENGEBIED IN JULI 1972. [BIRD COUNT IN THE NETHERLANDS WADDEN SEA AREA IN JULY 1972.] *Limosa* 47(1/2): 23-28, illus. 1974. [From Biol. Abstr. 59(2), 1975. In Dutch with English summ.] *WR 157: 51*
[Dorpsstr. 196, Vlieland, Netherlands]

Bohlen, H. David. ASH-THROATED FLYCATCHER IN ILLINOIS: SUMMARY OF RECORDS EAST OF THE MISSISSIPPI RIVER. *Auk* 92(1): 165-166. Jan. 1975. *WR 157: 51*
[Ill. State Mus., Springfield 62706] *"Myiarchus cinerascens."*--Courtesy/ Paul A. Stewart.

Browning, M. Ralph. FIRST OREGON SPECIMEN OF *ICTERUS GALBULA GALBULA*. *Auk* 92(1): 162-163. Jan. 1975. *WR 157: 51*
[Natl. Mus. Nat. Hist., Washington, D. C. 20560] Courtesy/ Paul A. Stewart.

Conner, Richard N., and Curtis S. Adkisson. EASTERN BLUEBIRDS NESTING IN CLEARCUTS. *J. Wildl. Manage.* 38(4): 934-935. Oct. 1974. *WR 157: 51*
[Va. Polytech. Inst., Blacksburg 24061] *"Sialia sialis."*

Conner, Richard N., Robert G. Hooper, Hewlette S. Crawford, and Henry S. Mosby. WOODPECKER NESTING HABITAT IN CUT AND UNCUT WOODLANDS IN VIRGINIA. *J. Wildl. Manage.* 29(1): 144-150, 1 fig. Jan. 1975. *WR 157: 51*
[Va. Polytech. Inst., Blacksburg 24061] Abstract: In forest areas common flickers *(Colaptes auratus)* nested only in dead snags in 1- to 12-year-old clearcuts. Pileated woodpeckers *(Dryocopus pileatus)* nested in mature, dense stands with high basal area, and downy woodpeckers *(Dendrocopos pubescens)* nested in sparsely stocked stands with lower basal area. The hairy woodpecker *(D. villosus)* nested in stands intermediate to and overlapping the habitats selected by the pileated and downy woodpeckers. All nest cavities of the four species of woodpeckers were excavated in decayed wood of trees infected by fungal heart rots. Timber management may be detrimental to woodpeckers if all decayed trees are removed. Uncut filter strips along streams and roads appear to be of value as woodpecker nesting habitat.

Dijksen, A. J., T. Lebret, G. L. Ouweneel, and J. Philippona. ORNITHOLOGICAL OBSERVATIONS ON THE LAGOONS OF THE DOBROGEA, RUMANIA, IN AUTUMN AND WINTER OF 1969, 1970 AND 1971. *Ardea* 61(3/4): 159-178, illus. 1973. [From Biol. Abstr. 59(3), 1975.] *WR 157: 51*
[De Westen, H 91A Texel, Netherlands]

Erard, Christian. NOTES FAUNISTIQUES ET SYSTEMATIQUES SUR QUELQUES OISEAUX D'ETHIOPIE. [SYSTEMATIC FAUNISTIC NOTES ON SEVERAL ETHIOPIAN BIRDS.] *Bonn. Zool. Beitr.* 25(1-3): 76-86. 1974. [From Biol. Abstr. 59(3), 1975. In French with German summ.] *WR 157: 51*
[Mus. Natl. Hist. Nat., 55 Rue de Buffon, Paris 5, France]

Galloway, B., and E. R. Meek. BIRDS IN NORTHUMBRIA. *Fourth Annual Report of the Tyneside Bird Club Printers (Coast) Ltd.* (Whitley Bay, England) 104 p., illus. 1973. *WR 157: 51*
Annotated list of 204 spp. sighted in the county of Northumberland.

Geiger, Hermann, Siegfried Geiger, Rudi Kratzer, and Hugo Stopper. VOGELKUNDLICHE FRUHJAHRSBEOBACHTUNGEN IN MACEDONIEN. [SPRING ORNITHOLOGICAL OBSERVATIONS IN MACEDONIA.] *Ornithol. Mitt.* 26(7): 133-141, illus. July 1974. In German. *WR 157: 51*
[Bachstrasse 30, D 7407 Rottenburg 12, West Germany]

Gloe, Peter. VORKOMMEN DES HAUSSPERLINGS *(PASSER DOMESTICUS)* IM AUSSENDEICH-GELÄNDE DER MELDORFER BUCHT. [OCCURRENCE OF THE HOUSE SPARROW *(PASSER DOMESTICUS)* IN THE OUTER DIKE AREA OF MELDORF BAY.] *Ornithol. Mitt.* 26(5): 86-87, illus. May 1974. In German. *WR 157: 52*
[Mühlenstrasse 10, D2223 Meldorf, West Germany]

Grundmann, Volker. WELCHE BEDEUTUNG HAT DIE LANDWIRTSCHAFTLICHE BRACHE (SOZIALBRACHE) FÜR DIE VOGELWELT. [WHAT SIGNIFICANCE DOES AGRICULTURALLY FALLOW LAND (NATIONAL FALLOW LAND) HAVE FOR THE BIRD WORLD?] *Ornithol. Mitt.* 26(5): 95-97. May 1974. In German. *WR 157: 52*
[Hannover Univ., Hannover, West Germany]

Hafner, Heinz. COMPTE RENDU ORNITHOLOGIQUE CAMARGUAIS POUR LES ANNEES 1972 ET 1973. [ORNITHOLOGICAL REPORT OF THE CAMARGUE FOR THE YEARS 1972 AND 1973.] *Terre Vie* 29(1): 100-112. Jan.-Mar. 1975. In French. *WR 157: 52*
[Stn. Biol. Tour Valat, Le Sambuc, 13200 Arles, France]

Heyne, Karl-Heinz. DIE VOGELWELT DES BAGGERWEIHERGEBIETES BEI NENNIG. [THE AVIFAUNA OF THE MAN-MADE PONDS NEAR NENNIG.] *Emberiza* 2(3): 153-164. 1973. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 52*
[Karthaeuserstr. 75, 5503 Konz, West Germany] *Riparia riparia* was most common.

Hines, Bob, and Peter A. Anastasi. FIFTY BIRDS OF TOWN AND CITY. *U. S. Dep. Int. Fish Wildl. Serv.* v + 50 p., illus. 1974. For sale at $4.00 cloth, $1.05 paper by Supt. Documents, GPO, Washington, D.C. 20402. *WR 157: 52*

Holt, Jane P. BIRD POPULATIONS IN THE HEMLOCK SERE ON THE HIGHLANDS PLATEAU, NORTH CAROLINA, 1946 TO 1972. *Wilson Bull.* 86(4): 397-406. Dec. 1974. *WR 157: 52*
[Presbyterian Coll., Clinton, S.C. 29325] Both avian density and species richness showed an increase in the intermediate stage and a decline in the climax stage of the hemlock sere.--Courtesy/ Paul A. Stewart.

Hudec, Karel. DIE VOGELSYNUSIE IM DOERFLICHEN MILIEU ZWEIER GEMEINDEN. [AVIAN SYNUSIA IN THE VILLAGE MILIEU OF TWO COMMUNITIES.] *Zool. Listy* 22(4): 347-362, illus. 1973. [From Biol. Abstr. 59(2), 1974. In German with English summ.] *WR 157: 52*
[Czech. Acad. Sci., Kvetna 8, 603 65 Brno, Czech.] 50 spp. were ascertained in both villages: 30 during the winter, 29 during the spring and 30 during the breeding season. Ten species are permanent residents. Among these, *Passer domesticus, P. montanus* and *Emberiza citrinella* are dominant; *Parus major, Streptopelia decaocto, Carduelis carduelis, C. chloris, Turdus merula,* and *Fringilla coelebs* are important; and *P. caeruleus* is accessory. All the remaining species are transient, occurring in the village during certain periods. The winter transient component consisted of 19 spp., with *Corvus frugilegus* dominant, *C. monedula* and *Perdix perdix* important and the remaining species accessory. The breeding transient component (migratory species) consisted of 19 spp., with *Delichon urbica* and *Hirundo rustica* dominant, and *Sturnus vulgaris, Serinus serinus, Carduelis cannabina, Phoenicurus ochruros* and *Apus apus* important.

Kikkawa, Jiro. COMPARISON OF AVIAN COMMUNITIES BETWEEN WET AND SEMIARID HABITATS OF EASTERN AUSTRALIA. *Aust. Wildl. Res.* 1(2): 107-116, 2 figs. Dec. 1974. *WR 157: 52*
[Univ. Queensland, St. Lucia, Queensland, Australia]

Koller, Josef. ORNITHOLOGISCHER REISEBERICHT AUS SPANIEN. [ORNITHOLOGICAL TRAVEL REPORT FROM SPAIN.] *Ornithol. Mitt.* 26(6): 103-109, illus. June 1974. In German. *WR 157: 52*
[Heidestrasse 9, D 8047 Karlsfeld, West Germany]

Kuroda, Nagahisa. [ANALYSIS OF A BIRD COMMUNITY IN SOUTHERN KANTO PLAIN.] *Misc. Rep. Yamashina's Inst. Ornithol.* 7(2): 118-138, illus. 1973. [From Biol. Abstr. 59(3), 1975. In Japanese with English summ.] *WR 157: 52*
[Yamashina's Inst. Ornithol., Nanpeidai 8-20, Shibuya-ku, Tokyo, Japan]

Laporte, Pierre. L'ORNITHOLOGIE AU CANADA À L'ÉPOQUE DE JACQUES CARTIER 1500-1600. [THE ORNITHOLOGY OF CANADA AT THE PERIOD OF JACQUES CARTIER 1500-1600.] *Carnets Zool.* 34(4): 52-58, illus. 1974. In French. *WR 157: 53*
[6530, rue Wilderton, Montréal, Québec, Canada] Includes an annotated list based on 16th century accounts in English or French.

Lucid, Vincent John. BIRD UTILIZATION OF HABITAT IN RESIDENTIAL AREAS. *Ph. D. thesis, Va. Polytech. Inst.* 179 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975. *WR 157: 53*

Maclean, G. L. ARID-ZONE: ADAPTATIONS IN SOUTHERN AFRICAN BIRDS. *Cimbebasia Ser. A* 2(15): 163-175, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 53*
[Univ. Natal, Pietermaritzburg, South Africa]

Makatsch, Wolfgang. ORNITHOLOGISCHE BEOBACHTUNGEN IN LAPPLAND. [ORNITHOLOGICAL OBSERVATIONS IN LAPLAND.] *Zool. Abh.* (Dresden) 32(3): 17-42, illus. 1971. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 53*
[Martin-Hoop-Str. 43, DDR-86 Bautzen, East Germany] The dates and locations of observation and brooding data are provided for 102 spp. of 70 genera of birds found in Sweden.

Matoušek, Branislav. VPLYV VYBUDOVANIA RYBNÍKOV NA ZLOŽENIE AVIFAUNY OKOLIA TRNAVY (ZEMNA KVANTITY A SUKCESIA VTÁKOV NA NOVOVYBUDOVANÝCH RYBNÍKOCH). [THE INFLUENCE OF FISHPONDS UPON THE AVIFAUNA IN THE VICINITY OF TRNAVA. (FLUCTUATIONS IN THE QUANTITY AND THE SUCCESSION OF BIRDS IN NEWLY CONSTRUCTED FISHPONDS).] *Zb. Slov. Nar. Mus.* 14(2): 119-150. 1968. In Slovak with German summ. *WR 157: 53*

McLay, C. L. THE SPECIES DIVERSITY OF NEW ZEALAND FOREST BIRDS: SOME POSSIBLE CONSEQUENCES OF THE MODIFICATION OF BEECH FORESTS. *N.Z. J. Zool.* 1(2): 179-196, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 53*
[Univ. Canterbury, Christchurch, New Zealand]

Mees, G. F. ADDITIONS TO THE AVIFAUNA OF SURINAM. *Zool. Meded. Rijksmus. Nat. Hist. Leiden* 48(7): 55-67, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 53*
[Rijksmus. Nat. Hist., Leiden, Netherlands]

Morel, G., and M.-Y. Morel. RECHERCHES ECOLOGIQUES SUR UNE SAVANE SAHELIENNE DU FERLO SEPTENTRIONAL, SENEGAL: INFLUENCE DE LA SECHERESSE DE L'ANNEE 1972-1973 SUR L'AVIFAUNE. [ECOLOGICAL RESEARCH ON A DRY THORNBUSH SAVANNA OF THE FERLO SEPTENTRIONAL SENEGAL: INFLUENCE OF THE DROUGHT OF 1972-1973 UPON THE AVIFAUNA.] *Terre Vie* 28(1): 95-123, 5 figs. Jan.-Mar. 1974. In French with English summ. *WR 157: 53*
[Stn. Ecol. ORSTOM, B.P. 20, Richard-Toll, Senegal]

Morel, Gérard. CONTRIBUTION À L'ÉTUDE BIOLOGIQUE DU SÉNÉGAL SEPTENTRIONAL. II. LISTE DES OISEAUX. [CONTRIBUTION TO THE BIOLOGICAL STUDY OF SENEGAL SEPTENTRIONAL. II. LIST OF BIRDS.] *Bull. Inst. Fondam. Afr. Noire Ser. A Sci. Nat.* 31(4): 1248-1258. 1969. In French. *WR 157: 53*

Peng, Y., T. Liu, K. Liu, and Y. Li. [NEW RECORDS OF CHINESE BIRDS FROM YUNNAN.] *Acta Zool. Sin.* 19(3): 307-308. 1973. [From Biol. Abstr. 59(2), 1975. In Chinese. *WR 157: 53*
[Yunnan Prov. Zool. Inst., Yunnan, China] *"Strix leptogrammica newarensis, Pellorneum albiventre cinnamoneum, Pomatorhinus ferruginosus orientalis, Garrulax strepitans strepitans, Garrulax affinis saturatus, Cutia nipalensis melanchima, Heterophasia annectens mixta, Ficedula hyperythra annamensis* and *Ficedula sapphira laotiana."*

Petrovic, Clive A., and James King, Jr. BIRD RECORDS FROM THE DRY TORTUGAS. *Fla. Field Nat.* 1(1): 5-8. Spring 1973. *WR 157: 53*
[724 Camilo Ave., Coral Gables, Fla. 33134]

Rappe, Andre. OBSERVATIONS ORNITHOLOGIQUES DE PRINTEMPS AU CAP GRIS-NEZ. [SPRINGTIME ORNITHOLOGIC OBSERVATIONS AT CAPE GRIS-NEZ.] *Alauda* 42(2): 137-142. 1974. [From Biol. Abstr. 59(2), 1975. In French.] *WR 157: 54*
[43 ave. des Constellations, 1200 Brussels, Belgium]

Reinsch, Alfred. DIE VOGELWELT DES KAUERLACHER WEIHERS IM TROCKENJAHR 1972. [THE BIRD WORLD OF KAUERLACH POND IN THE DRY YEAR 1972.] *Ornithol. Mitt.* 26(9): 175-177, Sept. 1974. In German. *WR 157: 54*
[Pfälzer Strasse 8, D 8543 Hilpolstein, West Germany]

Rettig, Klaus. AVIFAUNISTISCHE BESONDERHEITEN AUS DEM NORDWESTTEIL OSTFRIESLANDS. [AVIFAUNISTIC ODDITIES FROM THE NORTHWESTERN PART OF OSTFRIESLAND.] *Ornithol. Mitt.* 26(11): 221-222, illus. Nov. 1974. In German. *WR 157: 54*
[Danziger Strasse 11, D 297 Emden, West Germany]

Risberg, E. Lennart. TRE FAGELSJOAR I GASTRIKLAND. [THREE BIRD LAKES IN GASTRIKLAND.] *Fauna Flora* 67(6): 267-277, illus. 1972. [From Biol. Abstr. 59(3), 1975. In Swedish.] *WR 157: 54*
[Akervagen 40, S-81500 Tierp, Sweden]

Tekke, M. J. ORNITHOLOGIE VAN NEDERLAND 1972. [ORNITHOLOGY OF THE NETHERLANDS, 1972.] *Limosa* 47(1/2): 33-50, illus. 1974. [From Biol. Abstr. 59(2), 1975. In Dutch.] *WR 157: 54*
[Den Haag 136, 's-Gravenhage 2029, Netherlands]

Temme, Manfred. ÜBER VOGELBEOBACHTUNGEN IN SRI LANKA (CEYLON). [ON BIRD OBSERVATIONS IN SRI LANKA (CEYLON).] *Ornithol. Mitt.* 26(7): 125-130, illus. July 1974. In German. *WR 157: 54*
[C/O Embassy of the Fed. Republic of Germany, P. O. Box 24, Manila, Philippines]

Tramer, Elliot J. PROPORTIONS OF WINTERING NORTH AMERICAN BIRDS IN DISTURBED AND UNDISTURBED DRY TROPICAL HABITATS. *Condor* 76(4): 460-464. Winter 1974. *WR 157: 54*
[Univ. Toledo, Toledo, Ohio 43606] Migrant species averaged smaller and scarcer than native species and thus have a relatively small ecological impact. Migrants were relatively more abundant in dry tropical woodlands than in lowland rain forests.--Courtesy/ Paul A. Stewart.

Schoennagel, Erich. BEMERKENSWERTE BRUT- UND GASTVÖGEL AUF BORKUM IN DEN JAHREN 1972 BIS 1974. [NOTABLE BREEDING AND VISITING BIRDS ON BORKUM IN THE YEARS 1972 TO 1974.] *Ornithol. Mitt.* 26(10): 191-212, illus. Oct. 1974. In German. *WR 157: 54*
[Am Meisenbrink 14, D 325 Hameln, West Germany]

Szijj, Josef, Wolfgang Erz, and Peter Pretscher. FEUCHTGEBIETE VON INTERNATIONALER BEDEUTUNG FUR WAT- UND WASSERVÖGEL IN DER BUNDESREPUBLIK DEUTSCHLAND. [WETLANDS OF INTERNATIONAL SIGNIFICANCE FOR SHORE AND WATER BIRDS IN WEST GERMANY.] *Ornithol. Mitt.* 26(12): 239-258, 12 figs. Dec. 1974. In German. *WR 157: 54*
[Heerstrasse 110, D 5300 Bonn-Bad Godesberg 1, West Germany]

Whitmore, Robert C. HABITAT ORDINATION OF PASSERINE BIRDS OF THE VIRGIN RIVER VALLEY, SOUTHWESTERN UTAH. *Wilson Bull.* 87(1): 65-74, 2 figs. Mar. 1975. *WR 157: 54*
[Brigham Young Univ., Provo, Utah] Courtesy/ Paul A. Stewart.

Wiens, John A. CLIMATIC INSTABILITY AND THE "ECOLOGICAL SATURATION" OF BIRD COMMUNITIES IN NORTH AMERICAN GRASSLANDS. *Condor* 76(4): 385-400, 2 figs. Winter 1974. *WR 157: 54*
[Oreg. State Univ., Corvallis 97331] It is suggested that the number of breeding bird species which can continually exploit grassland habitats is limited by large magnitude variations in climate and thus in food production and that this variation is coupled with the absence of refugia which could harbor suboptimally adapted populations during periods of resource stress.--Courtesy/ Paul A. Stewart.

BIRDS--MANUALS, FAUNAS, COMMUNITIES--Continued

Willson, Mary F. AVIAN COMMUNITY ORGANIZATION AND HABITAT STRUCTURE. *Ecology* 55(5): 1017-1029, 8 figs. Late Summer. 1974. *WR 157: 55*
[Univ. Ill., Champaign 61820] Courtesy/ Paul A. Stewart.

Yeaton, Richard Ivan. AN ECOLOGICAL ANALYSIS OF CHAPARRAL AND PINE FOREST BIRD COMMUNITIES ON SANTA CRUZ ISLAND AND MAINLAND CALIFORNIA. *Ecology* 55(5): 959-973, 2 figs. Late Summer 1974. *WR 157: 55*
[Univ. Pa., Philadelphia 19104] Courtesy/ Paul A. Stewart.

BIRDS--POPULATIONS & FLUCTUATIONS

Dexter, Ralph W. FURTHER STUDIES ON THE INCURSIONS OF EVENING GROSBEAKS INTO NORTHEASTERN OHIO, 1972-1974. *Inland Bird Banding News* 47(3): 102-107. May-June 1975. *WR 157: 55*
[Kent State Univ., Kent, Ohio 44242] *"Hesperiphona vespertina."*--Courtesy/ Paul A. Stewart.

Dexter, Ralph W. UNUSUALLY LARGE NUMBERS OF CHIMNEY SWIFTS AT A NEST. *Bird-Banding* 45(4): 365. Autumn 1974. *WR 157: 55*
[Kent State Univ., Kent, Ohio 44242] Five and six chimney swifts *(Chaetura pelagica)* were together at one nest.--Courtesy/ Paul A. Stewart.

Elvers, Hinrich, Klaus Pfeiffer, and Dieter Westphal. BIRKENZEISIG-INVASION *(CARDUELIS FLAMMEA)* IM WINTERHALBJAHR 1972/73 IN WEST-BERLIN. [COMMON REDPOLL *(CARDUELIS FLAMMEA)* INVASION DURING THE WINTER PERIOD 1972/73 IN WEST BERLIN.] *Ornithol. Mitt.* 26(5): 83-86, illus. May 1974. In German. *WR 157: 55*
[Westendallee 65, D 1 Berlin 19, West Germany]

Hinds, Alfred. NORTHWESTERN SOUTH DAKOTA: NINE DECADES OF CHANGE. *S. Dak. Bird Notes* 26(3): 53-57. Sept. 1974. *WR 157: 55*
[Prairie City, S. Dak.] Reminiscent account of changes in the fauna.

Hunt, George L., Jr., and Molly W. Hunt. TROPHIC LEVELS AND TURNOVER RATES: THE AVIFAUNA OF SANTA BARBARA ISLAND, CALIFORNIA. *Condor* 76(4): 363-369. Winter 1974. *WR 157: 55*
[Univ. Calif., Irvine 92664] "These data provide the bases for a comparison of the turnover rates of various groups of breeding birds, e.g., 'birds of prey' and 'songbirds.' This comparison supports the hypothesis relating turnover rates to trophic levels."--Courtesy/ Paul A. Stewart.

Kuroda, Nagahisa. [A BIRD CENSUS IN THE IMPERIAL PALACE FOR 1972.] *Misc. Rep. Yamashina's Inst. Ornithol.* 7(1): 18-33, illus. 1973. [From Biol. Abstr. 59(3), 1975. In Japanese with English summ.] *WR 157: 55*
[Yamashina's Inst. Ornithol., Nanpeidai 8-20, Shibuya-ku, Tokyo, Japan]

Leck, Charles F. AN ANALYSIS OF CHIRSTMAS BIRD COUNTS IN NEW JERSEY. *Bull. N.J. Acad. Sci.* 19(1): 3-5, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 55*
[Rutgers Univ., New Brunswick, N.J. 08903]

Lynch, James F., and Ned K. Johnson. TURNOVER AND EQUILIBRIA IN INSULAR AVIFAUNAS, WITH SPECIAL REFERENCE TO THE CALIFORNIA CHANNEL ISLANDS. *Condor* 76(4): 370-384. Winter. 1974. *WR 157: 55*
[Univ. Calif., Berkeley 94720] "A survey of the literature pertaining to minimum avifaunal turnover rates on islands has convinced us that such rates on islands have been overestimated.... It is surprisingly difficult to find adequate documentation for more than a few of the dozens of instances of equilibrium turnover which have been cited by various authors."--Courtesy/ Paul A. Stewart.

Maxwell, George R. II, and Herbert W. Kale II. POPULATION ESTIMATE OF BREEDING BIRDS ON A SPOIL ISLAND IN THE INDIAN RIVER, INDIAN RIVER COUNTY, FLORIDA. *Fla. Field Nat.* 2(2): 32-39. Fall 1974. *WR 157: 55*
[Fla. Audubon Soc., 35-1st Court SW, Vero Beach 32960]

BIRDS--POPULATIONS & FLUCTUATIONS--Continued

Stewart, Paul A. SUMMER DECLINE OF MOCKINGBIRDS IN A SOUTH CAROLINA AGRICULTURAL AREA. *J. Wildl. Manage.* 38(4): 935-937. Oct. 1974. *WR 157: 56*
[203 Mooreland Drive, Oxford, N. C. 27565] *"Mimus polyglottos."*

BIRDS--ECONOMICS, CONTROL, MORTALITY

Granett, Philip, J. Richard Trout, Donald H. Messersmith, and Thomas M. Stockdale. SAMPLING CORN FOR BIRD DAMAGE. *J. Wildl. Manage.* 38(4): 903-909. Oct. 1974. *WR 157: 56*
[Rutgers Univ., New Brunswick, N.J. 08903]

Hund, Karl. 11 TOTE MEHLSCHWALBEN *(DELICHON URBICA)* IN EINEM NATURNEST. [ELEVEN DEAD HOUSE MARTINS *(DELICHON URBICA)* IN A NATURAL NEST.] *Ornithol. Mitt.* 26(8): 151. Aug. 1974. In German. *WR 157: 56*
[D 7961 Riedhausen, West Germany] "Apparently starved to death during a period of bad weather."

Keil, Werner. UNTERSUCHUNGEN ZUR ERNÄHRUNG VON HAUS- UND FELDSPERLING--*PASSER DOMESTICUS* AND *P. MONTANUS*--IN EINEM GETREIDEANBAUGEBIET IM WINTERHALBJAHR. [STUDIES OF THE FOOD OF THE HOUSE- AND FIELD SPARROW--*PASSER DOMESTICUS* AND *P. MONTANUS*--IN A GRAIN-GROWING DISTRICT DURING THE WINTER SEASON.] *Luscinia* 41(2): 76-87, 6 figs. 1970. In German with English summ. *WR 157: 56*
[Steinauer Str. 44, 6 Frankfurt/Main, Fechenheim, West Germany]

Kennard, John H. LONGEVITY RECORDS OF NORTH AMERICAN BIRDS. *Bird-Banding* 46(1): 55-73. Winter 1975. *WR 157: 56*
[Box 150, Rt. 5, Bedford, N.H. 03102] Maximum ages attained by more than 225 spp. are listed.--Courtesy/ Paul A. Stewart.

Pinkowski, Benedict C. A NOTE ON FAMILIAL LONGEVITY IN EASTERN BLUEBIRDS. *Bird-Banding* 45(4): 363-364. Autumn 1974. *WR 157: 56*
[60510 Campground, Washington, Mich. 48094] *"Sialia sialis."*--Courtesy/ Paul A. Stewart.

Stewart, Paul A. CASES OF BIRDS REDUCING OR ELIMINATING INFESTATIONS OF TOBACCO INSECTS. *Wilson Bull.* 87(1): 107-109. Mar. 1975. *WR 157: 56*
[203 Mooreland Dr., Oxford, N.C. 27565] Reports observations on six species of birds.

Strnad, Forest V. MORE BIRD KILLS AT KROC-TV TOWER, OSTRANDER, MINNESOTA. *Loon* 47(1): 16-21. Spring 1975. *WR 157: 56*
[300-2nd St., N.W., Stewartville, Minn. 55976] Summary for 1961, 1962, 1972, 1973 and 1974.

Taylor, Walter Kingsley, and Bruce H. Anderson. NOCTURNAL MIGRANTS KILLED AT A CENTRAL FLORIDA TV TOWER, AUTUMN 1972. *Fla. Field Nat.* 2(2): 40-43. Fall 1974. *WR 157: 56*
[Fla. Technol. Univ., Orlando, 32816]

Thiollay, Jean-Marc. EXEMPLE DE PREDATION NATURELLE SUR UNE POPULATION NICHEUSE DE *QUELEA Q. QUELEA* (L.) AU MALI. [CASES OF NATURAL PREDATION UPON A BREEDING POPULATION OF QUELEA *QUELEA QUELEA* IN MALI.] *Terre Vie* 29(1): 31-54. Jan.-Mar. 1975. In French with English summ. *WR 157: 56*
[École Normale Supérieure, 46 rue d'Ulm, 75230 Paris-Cédex 05, France]

Yakobi, V. E. [BIOLOGICAL BASIS OF THE BIRD STRIKES PREVENTION.] *Izdat. "Nauka"* (Moscow) 166 p., 37 figs. 1974. In Russian. Price 1 ruble 14 kopecks. *WR 157: 56*
[Acad. Sci. USSR. Inst. Anim. Morphol. Lenin Ave. 33, Moscow W-71, USSR]

BIRDS--PARASITES & DISEASES

Iltis, J. P., R. M. Jakowski, and D. S. Wyand. TRANSMISSION OF MARBLE SPLEEN DISEASE IN TURKEYS AND PHEASANTS. *Am. J. Vet. Res.* 36(1): 97-101, 3 figs. Jan. 1975. *WR 157: 57*
[Univ. Conn., Storrs 06268] *"Phasianus colchicus* and *Meleagris gallopavo."*

Jurik, Milan. BIONOMICS OF FLEAS IN BIRDS' NESTS IN THE TERRITORY OF CZECHOSLOVAKIA. *Acta Sci. Nat. Brno* 8(10): 1-54, 5 figs. 1974. In English with Russian summ. *WR 157: 57*
[Univ. Agric., Zemědělská 1, 662 65 Brno, Czechoslovakia]

Kennedy, Jennifer A., Janice R. Smith, and Michael Smyth. DIAPAUSE IN *ORNITHOMYA BILOBA* DUFOUR (DIPTERA: HIPPOBOSCIDAE) PARASITIC ON FAIRY MARTINS IN SOUTH AUSTRALIA. *J. Parasitol.* 61(2): 369-372, 2 figs. Mar. 1975. *WR 157: 57*
[Univ. Adelaide, Adelaide, South Australia 5001, Australia]

Manwell, Reginald D., and Gloria Sessler Rossi. BLOOD PROTOZOA OF IMPORTED BIRDS. *J. Protozool.* 22(1): 124-127. Feb. 1975. *WR 157: 57*
[Syracuse Univ., Syracuse, N.Y. 13210]

Misiura, Maria. THE DEVELOPMENT OF *SOBOLEVICANTHUS GRACILIS* (ZEDER, 1803) SPASSKY ET SPASSKAYA, 1954 *(CESTODA, HYMENOLEPIDIAE)* IN EXPERIMENTALLY INFECTED BIRD HOSTS OF DIFFERENT ORDERS. *Acta Parasitol. Pol.* 20(41): 483-495, 1 fig. 1972. In English with Polish summ. *WR 157: 57*
"In orders Anseriformes, Galliformes, Columbiformes and Passeriformes."

Nesbitt, Stephen A., and Franklin H. White. A *SALMONELLA TYPHIMURIUM* OUTBREAK AT A BIRD FEEDING STATION. *Fla. Field Nat.* 2(2): 46-47. Fall 1974. *WR 157: 57*
[Fla. Game & Fresh Water Fish Commission, Gainesville 32601]

Pence, Danny B., and Stanley D. Casto. THE SYSTEMATIC POSITION OF THE GRAY CATBIRD *(DUMETELLA CAROLINENSIS)* AS INDICATED BY ITS NASAL MITES (ACARINA: DERMANYSSIDAE, RHINONYSSINAE). *Wilson Bull.* 87(1): 75-82, 8 figs. Mar. 1975. *WR 157: 57*
[Tex. Tech Univ. School of Medicine, Lubbock 79409] The parasite evidence suggests that the gray catbird has affinities with the Mimidae, Turdidae and Cinclidae.

Pence, Danny B., and Stanley Casto. TWO NEW SPECIES AND NEW RECORDS OF NASAL MITES OF THE GENUS *STERNOSTOMA* (ACARINA: RHINONYSSINAE) FROM BIRDS IN TEXAS. *J. Parasitol.* 61(2): 360-368, 19 figs. Mar. 1975. *WR 157: 57*
[Tex. Tech Univ. School of Medicine, Lubbock 79409]

Stabler, Robert M., Nancy J. Kitzmiller, and O. Wilford Olsen. HEMATOZOA FROM COLORADO BIRDS. V. ANSERIFORMES. *J. Parasitol.* 61(1): 148-149. Feb. 1975. *WR 157: 57*
[Colo. Coll., Colorado Springs 80903]

Sulgostowska, Teresa, and Wanda Korpaczewska. HELMINTH FAUNA OF BIRDS OF TWO POND SYSTEMS OF THE MILICZ PONDS RESERVE. *Acta. Parasitol. Pol.* 20(6): 75-94, 2 figs., 2 pls. 1972. In English with Polish summ. *WR 157: 57*

Wasylik, Antoni. THE MITES (ACAROIDEA) INHABITING THE NESTS OF THE TREE SPARROW *(PASSER MONTANUS* L.). *Ekol. Pol.* 21(52): 869-899, 8 figs. 1973. In English with Polish summ. *WR 157: 57*
[Inst. Ekol., PAN, 05-515 Łomiaki, Poland]

Worth, C. Brooke. PSEUDOSCORPIONS ON A DARK-EYED JUNCO, *JUNCO BYEMALIS. Bird-Banding* 46(1): 76. Winter 1975. *WR 157: 57*
[R.D., Delmont, N.J. 08314] Courtesy/ Paul A. Stewart.

GAME BIRDS--GENERAL

Proctor, S. J., and J. E. Pearson. VENEZUELAN EQUINE ENCEPHALOMYELITIS IN PHEASANTS AND CHUKARS. *J. Wildl. Dis.* 11(1): 14-16, 1 fig. Jan. 1975. *WR 157: 58*
[Natl. Animal Dis. Cent., P. O. Box 70, Ames, Iowa] *"Phasianus colchicus and Alectoris graeca."*

Shalter, Michael David. A SEMIOTIC ANALYSIS OF ACOUSTIC ALARM COMMUNICATION IN SELECTED GALLIFORMES. *Ph. D. thesis, Univ. Md.* 246 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 58*
Burmese red jungle fowl, ring-necked pheasants, domestic fowl, and chicken x pheasant hybrids.

QUAIL

Anthony, Robert G., and Irven O. Buss. RELATIONSHIP OF GONADAL RECRUDESCENCE AND TESTICULAR MELANOGENESIS IN CALIFORNIA QUAIL. *Condor* 76(4): 452-457, 4 figs. Winter 1974. *WR 157: 58*
[Pa. State Univ., University Park 16801] The testes of California quail *(Lophortyx californicus)* undergo a seasonal variation in color related to recrudescence and spermatogenic activity.--Courtesy/ Paul A. Stewart.

Borchelt, Peter L., and L. Duncan. DUSTBATHING AND FEATHER LIPID IN BOBWHITE *(COLINUS VIRGINIANUS).* *Condor* 76(4): 471-472, 1 fig. Winter 1974. *WR 157: 58*
[Am. Mus. Nat. Hist., New York, N.Y. 10024] Courtesy/ Paul A. Stewart.

Case, Ronald M., and Robert J. Robel. BIOENERGETICS OF THE BOBWHITE. *J. Wild. Manage.* 38(4): 638-652, 4 figs. Oct. 1974. *WR 157: 58*
[Univ. Nebr., Lincoln 68503] *"Colinus virginianus."*

Chahil, Parshotam Singh, and William A. Johnson. INTRA-SIRE REGRESSION OF OFFSPRING ON DAM AS A MEASURE OF THE ADDITIVE GENETIC VARIANCE FOR FIVE WEEK BODY WEIGHT IN *COTURNIX COTURNIX JAPONICA.* *Poultry Sci.* 53(6): 2070-2072. Nov. 1974. *WR 157: 58*
[Univ. Londrina, Londrina, Parana, Brazil]

Cink, Calvin L. CAPTURING BOBWHITES WITH MIST NETS, RECORDINGS AND DECOYS. *Inland Bird Banding News* 47(3): 83-86. May-June 1975. *WR 157: 58*
[Univ. Kans., Lawrence 66045] Courtesy/ Paul A. Stewart.

Green, James A., and Elizabeth K. Adkins. THE EFFECTS OF PRENATAL AND POST-NATAL AUDITORY STIMULATION ON EARLY VOCALIZATION AND APPROACH BEHAVIOR IN THE JAPANESE QUAIL *(COTURNIX COTURNIX JAPONICA).* *Behaviour* 52(1-2): 145-154. 1975. In English with German summ. *WR 157: 58*
[Bucknell Univ., Lewisburg, Pa.]

Hamrick, P. E., J. G. Zinki, D. I. McRee, P. Thaxton, and C. R. Parkhurst. LEUKOPENIA IN NEONATAL JAPANESE QUAIL. *Poultry Sci.* 54(1): 312-314. Jan. 1975. *WR 157: 58*
[Natl. Inst. Environ. Health Sci. Res. Triangle Park, N.C. 27709] *"Coturnix coturnix japonica."*

Klimstra, W. D., and John L. Roseberry. NESTING ECOLOGY OF THE BOBWHITE IN SOUTHERN ILLINOIS. *Wildl. Monog.* no. 41. 37 p., 11 figs. Feb. 1975. Price $1.80. *WR 157: 58*
[Coop. Wildl. Res. Lab., Southern Ill. Univ., Carbondale 62901] *"Colinus virginianus."*

Lucotte, G. SELECTION SEXUELLE CHEZ LES MALES DE LA CAILLE JAPONAISE *(COTURNIX COTURNIX JAPONICA).* [SEXUAL SELECTION BY MALE JAPANESE QUAILS *COTURNIX COTURNIX JAPONICA.*] *Terre Vie* 29(1): 55-62, 2 figs. Jan.-Mar. 1975. In French with English summ. *WR 157: 58*
[Lab. Enzymol. CNRS, 91190 Gif-sur-Yvette, France]

QUAIL--Continued

Robel, Robert J., Ronald M. Case, Alan R. Bisset, and Thomas M. Clement, Jr. ENERGETICS OF FOOD PLOTS IN BOBWHITE MANAGEMENT. *J. Wildl. Manage.* 653-664, 3 figs. Oct. 1974. *WR 157: 59*
[Kans. State Univ., Manhattan 66506] *"Colinus virginianus."*

Roseberry, John L. RELATIONSHIPS BETWEEN SELECTED POPULATION PHENOMENA AND ANNUAL BOBWHITE AGE RATIOS. *J. Wildl. Manage.* 38(4): 665-673, 5 figs. Oct. 1974. *WR 157: 59*
[Southern Ill. Univ., Carbondale 62901] *"Colinus virginianus."*

Schwartz, Charles C. ANALYSIS OF SURVEY DATA COLLECTED ON BOBWHITE IN IOWA. *J. Wildl. Manage.* 38(4): 674-678, 1 fig. Oct. 1974. *WR 157: 59*
[Iowa Conserv. Commission, Chariton 50049] *"Colinus virginianus."*

Washburn, K. W., and R. W. Lowe. HEMATOLOGICAL AND GROWTH RESPONSE OF JAPANESE QUAIL RED AN IRON-COPPER DEFICIENT DIET. *Poultry Sci.* 53(6): 2101-2107, 2 figs. Nov. 1974. *WR 157: 59*
[Univ. Ga., Athens 30602] *"Coturnix coturnix japonica."*

Zeakes, Samuel John. I. PRIMARY REACTION ASSAY OF THE ANTIBODY RESPONSE OF THREE SPECIES OF GALLINACEOUS BIRDS TO *HETERAKIS GALLINARUM* CUTICULAR ANTIGEN II. INCREASED SUSCEPTIBILITY OF BOBWHITE QUAIL *(COLINUS VIRGINIANUS)* TO *HISTOMONAS MELEAGRIDIS* AFTER EXPOSURE TO SEVIN INSECTICIDE. *Ph. D. thesis, Kans. State Univ.* 128 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 59*

PHEASANTS

Goetz, Robert Charles, Jr. HANDLING AND FIELD STRESS IN A TRANSPLANTED F_1 RING-NECKED PHEASANT POPULATION AS DETERMINED BY CORTICOSTERONE LEVELS IN PLASMA AND ADRENAL GLANDS. *Ph. D. thesis, Iowa State Univ.* 93 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 59*

Labisky, Ronald F. ILLINOIS PHEASANTS: THEIR DISTRIBUTION AND ABUNDANCE, 1958-1973. *Ill. Nat. Hist. Surv. Biol. Notes* no. 94. p. 1-11, 5 figs. Feb. 1975. *WR 157: 59*
"Phasianus colchicus."

Snyder, Warren D. PHEASANT USE OF ROADSIDES FOR NESTING IN NORTHEAST COLORADO. *Colo. Div. Wildl. Spec. Rep.* no. 36. vi + 24 p., 11 figs. Dec. 1974. Price $1.00. *WR 157: 59*
"Phasianus colchicus."

TURKEY

Mullen, Mark. SPRING TURKEY HUNT. *Va. Wildl.* 36(4): 18. Apr. 1975. *WR 157: 59*
[Roanoke, Va.] Results of Virginia spring turkey harvests by county for the period 1972-1974.

GROUSE, PARTRIDGE, ETC.

Crawford, John Arthur. THE EFFECTS OF LAND USE ON LESSER PRAIRIE CHICKEN POPULATIONS IN WEST TEXAS. *Ph. D. thesis, Tex. Tech Univ.* 69 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(10), 1975.] *WR 157: 59*
"Tympanuchus pallidicinctus."

Doerr, Phillip D., Lloyd B. Keith, Donald H. Rusch, and Charles A. Fischer. CHARACTERISTICS OF WINTER FEEDING AGGREGATIONS OF RUFFED GROUSE IN ALBERTA. *J. Wildl. Manage.* 38(4): 601-615, 3 figs. Oct. 1974. *WR 157: 59*
[N.C. State Univ., Raleigh 27607] *"Bonasa umbellus."*

Donaldson, J. L., and A. T. Bergerud. BEHAVIOUR AND HABITAT SELECTION OF AN INSULAR POPULATION OF BLUE GROUSE. *Syesis* 7: 115-127. 1974. *WR 157: 60*
[Univ. British Columbia, Vancouver, British Columbia, Canada] *"Dendragapus obscurus fuliginosus."*

Evans, Keith E., and Donald R. Dietz. NUTRITIONAL ENERGETICS OF SHARP-TAILED GROUSE DURING WINTER. *J. Wildl. Manage.* 38(4): 622-629, 3 figs. Oct. 1974. *WR 157: 60*
[North Central Forest Exp. Stn., Columbia, Mo. 65201] *"Pediocoetes phasianellus."*

Fischer, Charles A., and Lloyd B. Keith. POPULATION RESPONSES OF CENTRAL ALBERTA RUFFED GROUSE TO HUNTING. *J. Wildl. Manage.* 38(4): 585-600, 3 figs. Oct. 1974. *WR 157: 60*
[N.C. State Univ., Raleigh 27607] *"Bonasa umbellus."*

Godfrey, Geoffrey A. UNDERESTIMATION EXPERIENCED IN DETERMINING RUFFED GROUSE BROOD SIZE. *J. Wildl. Manage.* 39(1): 191-193. Jan. 1975. *WR 157: 60*
[2085 West 5th Ave., Vancouver, British Columbia V6J 1P8] *"Bonasa umbellus."*

Hauge, Knut Stale. TIURENS SPILLATER: NOEN DAGBOKNOTATER FRA EN LEIK. [THE CAPERCAILLIE'S MATING CALL: SOME DIARY NOTES FROM A LEK.] *Fauna* (Oslo) 27(2): 61-68, illus. 1974. [From Biol. Abstr. 59(2), 1975. In Norwegian with English summ.] *WR 157: 60*
[Olav Trygvasons gt. A, N-2300 Hamar, Norway]

Hoffman, Donald M., Carey L. Quarles, Lawrence A. Webster, and Larry R. Crooks. EXPERIMENTAL PROPAGATION OF GRAY PARTRIDGES. *Colo. Div. Wildl. Spec. Rep.* no. 35. vi + 26 p., 13 figs. Dec. 1974. Price $1.00. *WR 157: 60*
"Perdix perdix."

Lance, Art N., and Garry Mahon. FOODS OF A MARGINAL RED GROUSE POPULATION IN WESTERN IRELAND. *J. Wildl. Manage.* 39(1): 183-187. Jan. 1975. *WR 157: 60*
[An Foras Talúntais, Pea.land Exp. Stn., Glenamay, Ireland] *"Lagopus l. scoticus."*

Moss, Robert, Adam Watson, and Raymond Parr. MATERNAL NUTRITION AND BREEDING SUCCESS IN RED GROUSE *(LAGOPUS LAGOPUS SCOTICUS).* *J. Anim. Ecol.* 44(1): 233-244, 2 figs. Feb. 1975. *WR 157: 90*
[Inst. Terrestrial Ecol., Banchory, Scotland]

Myrberget, Svein. GJENFANGSTRATER VED TO MERKEMETODER FOR LIRYPE. [RECOVERY RATES FOR TWO METHODS OF MARKING WILLOW GROUSE.] *Sterna* 14:29-32. 1975. In Norwegian with English summ. *WR 157: 60*
[Viltforskningen, Elgesetergt. 10, N-7000 Trondheim, Norway] *"Lagopus lagopus."*

Myrberget, Svein. NORSKE STUDIER OMKRING 1930 OVER LIRYPAS REPRODUKSJON. [NORWEGIAN STUDIES ABOUT THE YEAR 1930 ON THE NESTING BIOLOGY OF THE WILLOW GROUSE.] *Sterna* 14: 51-64. 1975. In Norwegian with English summ. *WR 157: 60*
[Viltforskningen, Elgesetergt. 10, N-7000 Trondheim, Norway] *"Lagopus lagopus."*

Parr, Raymond. AGING RED GROUSE CHICKS BY PRIMARY MOLT AND DEVELOPMENT. *J. Wildl. Manage.* 39(1): 188-190. Jan. 1975. *WR 157: 60*
[Inst. Terrestrial Ecol., Banchory, Scotland] *"Lagopus lagopus."*

Rajala, Paavo. THE STRUCTURE AND REPRODUCTION OF FINNISH POPULATIONS OF CAPERCAILLIE, *TETRAO UROGALLUS,* AND BLACK GROUSE, *LYRURUS TETRIX,* ON THE BASIS OF LATE SUMMER CENSUS DATA FROM 1963-66. *Finnish Game Res.* no. 35. 51 p., 35 figs. 1974. *WR 157: 60*
[Finnish Game & Fisheries Res. Inst., Unioninkatu 45 B 42, 00170, Helsinki 17 Finland]

GROUSE, PARTRIDGE, ETC.--Continued

Rippin, A. B., and D. A. Boag. RECRUITMENT TO POPULATIONS OF MALE SHARP-TAILED GROUSE. *J. Wildl. Manage.* 38(4): 616-621, 3 figs. Oct. 1974. *WR 157: 61*
[Div. Fish & Wildl., Box 1450, St. Paul, Alberta, Canada] *"Pediocetes phasianellus."*

Wallestad, Richard, and Duane Pyrah. MOVEMENT AND NESTING OF SAGE GROUSE HENS IN CENTRAL MONTANA. *J. Wildl. Manage.* 630-633, 1 fig. Oct. 1974. *WR 157: 61*
[Mont. Fish & Game Dep., Broadus 59317] *"Centrocercus urophasianus."*

Wallestad, Richard, and Philip Schladweiler. BREEDING SEASON MOVEMENTS AND HABITAT SELECTION OF MALE SAGE GROUSE. *J. Wildl. Manage.* 38(4): 634-637. Oct. 1974. *WR 157: 61*
[Mont. Fish & Game Dep., Broadus 59317] *"Centrocercus urophasianus."*

Weber, David, Barry Barnes, and Jessop B. Low. THE BLUE GROUSE IN NORTHERN UTAH. *Utah Sci.* 35(2): 43-46, 3 figs. June 1974. *WR 157: 61*
[Utah Coop. Wildl. Res. Unit, Salt Lake City]

Wissler, Kathrin, and Odd Halvorsen. THE OCCURRENCE OF GAPEWORM *(SYNGAMUS TRACHEA)* IN WILLOW GROUSE. *J. Wildl. Dis.* 11(2): 245-247. Apr. 1975. *WR 157: 61*
[Univ. Tromsø, 9001 Tromsø, Norway] *"Lagopus lagopus."*

DOVES & PIGEONS

Bläss, Hans. VERBANDSFLUG VON TÜRKENTAUBEN UND SPERLING. [JOINT FLIGHT OF COLLARED DOVES AND A SPARROW.] *Ornithol. Mitt.* 26(11): 234. Nov. 1974. In German. *WR 157: 61*
[Werderstrasse 34, D 7888 Reinfelden, West Germany] *"Streptopelia decaocto* and *Passer montanus."*

Cheng, Tso-Hsin, Yao-Kuang Tan, and Shih-Yin Sung. [A NEW SUBSPECIES OF *TRERON SIEBOLDII* FROM THE TSINLING RANGE, SHENSI, CHINA.] *Acta Zool. Sin.* 19(1): 51-53. 1973. [From Biol. Abstr. 59(2) 1975. In Chinese with English summ.] *WR 157: 61*
[Acad. Sin., Peking, China]

Davis, Charles A. MOURNING DOVE FOODS IN SEMI-DESERT, SOUTH-CENTRAL NEW MEXICO. *J. Wildl. Manage.* 38(4): 941-944. Oct. 1974. *WR 157: 61*
[N. Mex. State Univ., Box 3-1, Las Cruces 88003] *"Zenaida macroura."*

Fitzhugh, Edwin Lee. CHRONOLOGY OF CALLING, EGG LAYING, CROP GLAND ACTIVITY, AND BREEDING AMONG WILD BAND-TAILED PIGEONS IN ARIZONA. *Ph. D. thesis, Univ. Ariz.* x + 74 p. 1974. *WR 157: 61*
"Columba fasciata fasciata."--Courtesy/ Henry M. Reeves.

Frith, H. J., L. W. Braithwaite, and T. O. Wolfe. SEXUAL CYCLES OF PIGEONS IN A TROPICAL ENVIRONMENT. *Aust. Wildl. Res.* 1(2): 117-128, 3 figs. Dec. 1974. *WR 157: 61*
[Div. Wildl. Res., CSIRO, P.O. Box 84, Lyneham 2602, Australia]

Frith, H. J., B. K. Brown, and R. D. Barker. FOOD OF THE CRESTED AND COMMON BRONZEWING PIGEONS IN INLAND NEW SOUTH WALES. *Aust. Wildl. Res.* 1(2): 129-144, 4 figs. Dec. 1974. *WR 157: 61*
[Div. Wildl. Res., CSIRO, P.O. Box 84, Lyneham, Australia] *"Ocyphaps lophotes* and *Phaps chalcoptera."*

Goodloe, Lindsay. NIGHT HOMING IN PIGEONS *(COLUMBA LIVIA). Ph. D. thesis, Cornell Univ.* 157 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 61*

DOVES & PIGEONS--Continued

Greiner, Ellis C. PREVALENCE AND POTENTIAL VECTORS OF *HAEMOPROTEUS* IN NEBRASKA MOURNING DOVES. *J. Wildl. Dis.* 11(2): 150-156. Apr. 1975. *WR 157: 62*
[Memorial Univ., St. John's, Newfoundland, Canada]

Klei, Thomas R., and Dominic L. DeGuisti. SEASONAL OCCURRENCE OF *HAEMOPROTEUS COLUMBAE* KRUSE AND ITS VECTOR *PSEUDOLYNCHIA CANARIENSIS* BEQUAERT. *J. Wildl. Dis.* 11(1): 130-135, 1 fig. Jan. 1975. *WR 157: 62*
[Millersville State Coll., Millersville, Pa. 17551] *"Columba livia."*

Kotov, A. A. [THE MOLT OF LARGE SIBERIAN TURTLEDOVE *(STREPTOPELIA ORIENTALIS L.).*] *Vestn. Leningr. Univ. Ser. Biol.* 28(4): 26-31, illus. 1973. [From Biol. Abstr. 59(3), 1975. In Russian with English summ.] *WR 157: 62*
[Leningrad State Univ., Leningrad, USSR]

Kreithen, Melvin Louis. EFFECTS OF MAGNETISM, BAROMETRIC PRESSURE, AND POLARIZED LIGHT ON THE HOMING PIGEON. *Ph. D. thesis, Cornell Univ.* 112 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 62*

Matoušek, Branislav. HNIEZDENIE HRDLIČKY ZÁHRADNEJ *(STREPTOPELIA DECAOCTO)* V ZIME. [WINTER-NESTING IN THE COLLARED TURTLE-DOVE *STREPTOPELIA DECAOCTO.*] *Zb. Slov. Nar. Muz.* 14(1): 159-160. 1968. In Slovak with German summ. *WR 157: 62*

Pfeifer, Sebastian. TÜRKENTAUBE *(STREPTOPELIA DECAOCTO)* IN DER FELDFLUR. [COLLARED DOVE *(STREPTOPELIA DECAOCTO)* IN A COUNTRY MEADOW.] *Ornithol. Mitt.* 26(8): 163. Aug. 1974. In German. *WR 157: 62*
[Steinauer Strasse 33, D 6 Frankfurt/Main, West Germany]

Rice, Leslie A., and Howard Lovrien. ANALYSIS OF MOURNING DOVE BANDING IN SOUTH DAKOTA. *J. Wildl. Manage.* 38(4): 743-750. Oct. 1974. *WR 157: 62*
[S. Dak. Dep. Game, Fish & Parks, Rapid City 57701] *"Zenaida macroura."*

Schnock, G., and E. Seutin. CONTRIBUTION A L'ETUDE ECOLOGIQUE DE L'ALIMENTATION DU PIGEON RAMIER *(COLUMBA PALUMBUS)* EN BELGIQUE. [A CONTRIBUTION TO THE ECOLOGIC STUDY OF ALIMENTATION IN THE RING DOVE *(COLUMBA PALUMBUS)* IN BELGIUM.] *Aves* 10(3): 182-192, illus. 1973. [From Biol. Abstr. 59(2), 1975. In French with English summ.] *WR 157: 62*
[Univ. Libre Brux., Chaussee de Wavre 1850, 1160 Brussels, Belgium]

WATERFOWL

Abraham, Richard L. VOCALIZATIONS OF THE MALLARD *(ANAS PLATYRHYNCHOS).* *Condor* 76(4): 401-420, 12 figs. Winter 1974. *WR 157: 62*
[Univ. Minn., St. Paul 55101] Courtesy/ Paul A. Stewart.

Allen, Joe Wesley. INTRODUCTION OF MAX MCGRAW WILDLIFE FOUNDATION MALLARD DUCKS INTO OKLAHOMA AND EVALUATION OF THEIR SURVIVAL AND ADAPTATION. *Ed. D. thesis, Okla. State Univ.* xv + 316 p., 26 figs. May 1975. *WR 157: 62*
"Anas platyrhunchos."

Anderson, Bertin W., Michael G. Reeder, and Richard L. Timken. NOTES ON THE FEEDING BEHAVIOR OF THE COMMON MERGANSER *(MERGUS MERGANSER).* *Condor* 76(4): 472-476, 2 figs. Winter 1974. *WR 157: 62*
[Ariz. State Univ., Tempe 85281] Common mergansers in winter fed chiefly in the morning and evening, but there was increased mid-day feeding during inclement weather. Feeding mergansers were pirated by gulls. Fishing broods dived together, driving fish into shallow water.--Courtesy/ Paul A. Stewart.

Anderson, Michael G. AMERICAN COOTS FEEDING IN ASSOCIATION WITH CANVASBACKS. *Wilson Bull.* 86(4): 462-463. Dec. 1974. *WR 157: 62*
[Delta Waterfowl Res. Station, RR1, Portage la Prairie, Manitoba, Canada] *"Fulica americana* and *Aythya valisineria."*--Courtesy/ Paul A. Stewart.

Balát, František. RYBNÍKY U JAKUBOVA--VÝZNAMNÉ HNÍZDIŠTĚ VODNÍHO PTACTVA NA ZÁPADĚ SLOVENSKU. [RYBNIKY U JAKUBOVA--AN IMPORTANT BREEDING GROUND FOR WATERFOWL IN WESTERN SLOVAKIA.] *Zb. Slov. Nar. Muz.* 14(1): 141-148, 1 fig. 1968. In Czech with German summ. *WR 157: 63*

Bauer, Willy, and Karl-Heinz Schaack. HESSISCHE GEWÄSSER ALS DURCHZUGS- UND WINTER- RASTAREALE FUR SCHWIMMVÖGEL. [HESSIAN WETLANDS AS MIGRATORY AND WINTERING AREAS FOR WATERFOWL.] *Luscinia* 41(2): 63-75, 1 fig. 1970. In German with English summ. *WR 157: 63*

[Schneckenhofstr. 35, 6 Frankfurt/Main, West Germany] An average of 12,000 waterfowl (excluding geese) were counted in 20 areas on the international census days in 1965/66 to 1969/70, with a maximum of 20-30,000 birds in December. Of the total, 62% were mallards and 23% were coots, and 77% were counted on the Rhein and Main Rivers.

Bennett, Gordon F., Alan D. Smith, William Whitman, and Marilyn Cameron. HEMATOZOA OF THE ANATIDAE OF THE ATLANTIC FLYWAY. II. THE MARITIME PROVINCES OF CANADA. *J. Wildl. Dis.* 11(2): 280-289, 1 fig. Apr. 1975. *WR 157: 63*

[Memorial Univ., St. John's, Newfoundland, Canada]

Beshears, W. Walter, Jr. WOOD DUCKS IN ALABAMA. *Ala. Dep. Conserv. Nat. Resour. Div. Game Fish Spec. Rep.* no. 4. viii + 45 p., illus. Sept. 1974. *WR 157: 63*

[Ala. Dep. Conserv. Nat. Resour., Montgomery 36104] *"Aix sponsa."*

Bielefeldt, John. WATERFOWL IN WAUKESHA COUNTY, WISCONSIN: SPRING (LOONS, GREBES, DUCKS, AMERICAN COOT). *Passenger Pigeon* 36(4): 162-169. Winter 1974. *WR 157: 63*

Browne, Stephen. HOODED MERGANSERS BREEDING IN NEW YORK. *N.Y. Fish Game J.* 22(1): 68-70. Jan. 1975. *WR 157: 63*

"Lophodytes cucullatus."

Bruggers, Richard Laurence. NESTING BIOLOGY, SOCIAL PATTERNS AND DISPLAYS OF THE MANDARIN DUCK, *AIX GALERICULATA*. *Ph. D. thesis, Bowling Green State Univ.* 199 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 63*

Dilling, Alfred. BEMERKENSWERTE WASSERVOGELBEOBACHTUNGEN IN NORDHESSEN. [NOTEWORTHY WATERFOWL OBSERVATIONS IN NORTH HESSE.] *Luscinia* 41(2): 87-88. 1970. In German. *WR 157: 63*

[Forsthaus, 3441 Vockerode, West Germany]

Doty, Harold A. RENESTING AND SECOND BROODS OF WILD MALLARDS. *Wilson Bull.* 87(1): 115. Mar. 1975. *WR 157: 63*

[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401] Three mallards *(Anas platyrhynchos)* renested after hatching earlier clutches.--Courtesy/ Paul A. Stewart.

Doty, Harold A., and Raymond J. Greenwood. IMPROVED NASAL-SADDLE MARKER FOR MALLARDS. *J. Wildl. Manage.* 38(4): 938-939, 1 fig. Oct. 1974. *WR 157: 63*

[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401] *"Anas platyrhynchos."*

Doty, Harold A., and Forrest B. Lee. HOMING TO NEST BASKETS BY WILD FEMALE MALLARDS. *J. Wildl. Manage.* 38(4): 714-719, 2 figs. Oct. 1974. *WR 157: 63*

[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401] *"Anas platyrhynchos."*

Carney, Samuel M., Michael F. Sorensen, and Elwood M. Martin. DISTRIBUTION IN STATES AND COUNTIES OF WATERFOWL SPECIES HARVESTED DURING 1961-70 HUNTING SEASONS. *U. S. Fish Wildl. Serv. Spec. Sci. Rep. Wildl.* no. 187. iv + 132 p., 2 figs. 1975. For sale at $2.00 by Supt. Documents, GPO, Washington, D. C. 20402. *WR 157: 63*

[Patuxent Wildl. Res. Cent., Laurel, Md. 20811] Abstract: Average numbers of waterfowl harvested during the 1961-70 hunting seasons are estimated by species for each county in the continental United States. A brief account of the estimating procedure is included.

Clawson, Richard L. WOOD DUCKS TRAPPED BY PREDATOR GUARDS. *J. Wildl. Manage.* 39(1): 220. Jan. 1975. *WR 157: 64*
[Gaylord Memorial Lab., Puxico, Mo. 63960] *"Aix sponsa."*

Eber, Gisela. DOKUMENTATION DER 6-JÄHRIGEN SCHWIMMVOGELZÄHLUNG IN NORDRHEIN-WESTFALEN VON 1966-72. [DOCUMENTATION OF THE SIX-YEAR (1966-1972) WATERFOWL CENSUS IN NORTH RHEIN-WESTPHALIA.] *Anthus* 10(3/4): 49-75. 1973. In German. *WR 157: 64*
[Zwillbrock Nr. 1, 4426 Vreden, West Germany]

Emde, Falco, Wolfgang Lübcke, Eduard Schoof, and Karl Sperner. SELTENE WASSER-VÖGEL IM EDERGEBIET (HESSE). [RARE WATERFOWL IN THE EDER DISTRICT (HESSE).] *Luscinia* 41(2): 88-89. 1970. In German. *WR 157: 64*
[Briloner Landstr. 8, 354 Korbach, West Germany]

Flickinger, Edward L. INCUBATION BY A MALE FULVOUS TREE DUCK. *Wilson Bull.* 87(1): 106-107. Mar. 1975. *WR 157: 64*
[U. S. Fish & Wildl. Serv., Victoria, Tex. 77901] *"Dendrocygna bicolor."*--Courtesy/ Paul A. Stewart.

Grubb, Thomas C., Jr. A SHIFT IN NESTING HABITAT BY A POPULATION OF COMMON EIDERS. *Wilson Bull.* 86(4): 461. Dec. 1974. *WR 157: 64*
[Ohio State Univ., Columbus 43210] *"Somateria mollissima."*--Courtesy/ Paul A. Stewart.

Huesmann, H. W. NEW ENGLAND'S DUCK--BLACK OR MALLARD? *Mass. Wildl.* 26(1): 6-9, 13, illus. Jan.-Feb. 1975. *WR 157: 64*
The importance of inland sites to mallard-black duck hybridization is evident from Massachusetts trapping data. Hybrids comprised 8.1 percent of the ducks banded on the coast during the winters of 1971-1974. During this same period, 12.9 percent of the birds banded inland were hybrids, a rate 59 percent higher than that for the coast.

Hurter, Hans-Ueli. NAHRUNG UND ERNÄHRUNGSWEISE DES BLÄSSHUHNS *FULICA ATRA* AM SEMPACHERSEE. [FOOD AND FEEDING BEHAVIOR OF THE COOT, *FULICA ATRA*, ON LAKE SEMPACH.] *Ornithol. Beob.* 69: 125-149, 8 figs. 1972. In German with English summ. *WR 157: 64*
[Kappelerweg 7, 5400 Baden, West Germany]

Hwang, Jen, Edward T. Mallinson, and Ronald E. Yoxheimer. OCCURRENCE OF DUCK VIRUS ENTERITIS (DUCK PLAGUE) IN PENNSYLVANIA, 1968-74. *Avian Dis.* 19(2): 382-384. Apr.-June 1975. *WR 157: 64*
[Univ. Pa., Kennett Square 19348]

Jakobs, Bernhard, and Marlene Jakobs. ZUM VERHALTEN DES STERNTAUCHERS *(GAVIA STELLATA)* AM NEST. [ON THE BEHAVIOR OF THE RED-THROATED LOON *(GAVIA STELLATA)* AT THE NEST.] *Ornithol. Mitt.* 26(9): 169-172, illus. Sept. 1974. In German. *WR 157: 64*
[Helenenstrasse 27, D 55 Trier, West Germany]

Jenkins, David, M. G. Murray, and Philip Hall. STRUCTURE AND REGULATION OF A SHELDUCK *(TADORNA TADORNA* (L.)) POPULATION. *J. Anim. Ecol.* 44(1): 201-231, 7 figs. Feb. 1975. *WR 157: 64*
[Inst. Terrestrial Ecol., Banchory, Scotland]

Jensen, R.A.C., and W.R.J. Dean. A WILD CAPE TEAL-YELLOWBILL DUCK HYBRID. *Madoqua* Ser. I no. 8. p. 75-76, 2 pls. 1974. *WR 157: 64*
[Div. Nature Conservation & Tourism, Windhoek, South West Africa] *"Anas capensis X A. undulata."*

Kennedy, David D. UNUSUAL NESTING ATTEMPTS BY WATERFOWL IN SOUTHERN ILLINOIS. *J. Wildl. Manage.* 38(4): 937. Oct. 1974. *WR 157: 65*
[Ill. Dep. Conserv., Jonesboro 62952]

Koch, B., and W. Prunte. DIE BESTANDSENTWICKLUNG DER REIHERENTE *(AYTHYA FULIGULA)* IM MITTLEREN RUHRTAL. [THE POPULATIONAL DEVELOPMENT OF THE TUFTED DUCK *(AYTHYA FULIGULA)* IN THE CENTRAL RUHR VALLEY.] *Anthus* 10(3/4): 79-82. 1973. In German. *WR 157: 65*
[Am Ufer, 5759 Wickede-Echthausen, West Germany]

Krapu, Gary L., and George A. Swanson. SOME NUTRITIONAL ASPECTS OF REPRODUCTION IN PRAIRIE NESTING PINTAILS. *J. Wildl. Manage.* 39(1): 156-162, 1 fig. Jan. 1975. *WR 157: 65*
[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401] *"Anas acuta."*

Lampio, Teppo. BAG LIMITS, SALE, EXPORT, IMPORT AND RECOLONIZATION OF WATERFOWL. *Finnish Game Res.* no. 34. p. 51-56. 1974. *WR 157: 65*
[Finnish Game & Fisheries Res. Inst., Unioninkatu 45 B, 00170 Helsinki 17, Finland]

Lampio, Teppo. PROTECTION OF WATERFOWL IN EUROPE. *Finnish Game Res.* no. 34. p. 15-33. 1974. *WR 157: 65*
[Finnish Game & Fisheries Res. Inst., Unioninkatu 45 B, 00170 Helsinki 17, Finland]

Lampio, Teppo, Stane Valentinčič, and H. K. Michaelis. METHODS AND PRACTICES OF WATERFOWL HUNTING RATIONALIZATION. *Finnish Game Res.* no. 34. p. 36-46. 1974. *WR 157: 65*
[Finnish Game & Fisheries Res. Inst., Unioninkatu 45 B, 00170 Helsinki 17, Finland]

Langowski, David J., and Robert L. Jessen. DISTRIBUTION AND CHRONOLOGY OF MALLARDS HARVESTED IN MINNESOTA. *Bird-Banding* 46(1): 33-39, 3 figs. Winter 1975. *WR 157: 65*
[U.S. Fish & Wildl. Serv., Sandusky, Ohio 44870] *"Anas platyrhynchos."*--Courtesy/ Paul A. Stewart.

Leuzinger, Hans. ZUR ÖKOLOGIE DER SCHELLENTE *BUCEPHALA CLANGULA* AM WICHTIGSTEN ÜBERWINTERUNGSPLATZ DES NÖRDLICHEN ALPENVORLANDES. PHÄNOLOGIE, GESCHLECHTERVERHÄLTNIS UND ABHÄNGIGKEIT DES VERHALTENS DER SCHELLENTE VOM NAHRUNGSANGEBOT IM GEBIET UNTERSEE/RHEIN. [ON THE ECOLOGY OF THE GOLDENEYE, *BUCEPHALA CLANGULA*, IN THE MOST IMPORTANT WINTERING AREA OF THE NORTHERN ALPINE PIEDMONT. PHENOLOGY, SEX RATIO, AND DEPENDENCE OF THE BEHAVIOR OF THE GOLDENEYE ON AVAILABLE FOOD IN THE UNTERSEE/RHEIN DISTRICT. *Ornithol. Beob.* 69: 207-235. 1972. In German with English summ. *WR 157: 65*
[8353 Schneit/Elgg, West Germany]

Lippert, Wolfgang, and Max Dornbusch. ZUM VORKOMMEN DER BRANDGANS, *TADORNA TADORNA* (L.), IM BEZIRK MAGDEBURG UND IN BENACHBARTEN GEBIETEN. [ON THE OCCURRENCE OF THE SHELDUCK, *TADORNA TADORNA* (L.), IN THE DISTRICT OF MAGDEBURG AND IN NEIGHBORING REGIONS.] *Beitr. Vogelkd.* 20(1/2): 132-150, illus. 1974. [From Biol. Abstr. 59(2), 1975. In German.] *WR 157: 65*
[Am Tierpark 125, 1136 Berlin, East Germany]

Miller, Michael R. GUT MORPHOLOGY OF MALLARDS IN RELATION TO DIET QUALITY. *J. Wildl. Manage.* 39(1): 168-173. Jan. 1975. *WR 157: 65*
[516 Northwestern Ave., Ames, Iowa 50010] *"Anas platyrhynchos."*

Misterek, David Lloyd. THE BREEDING ECOLOGY OF THE RUDDY DUCK *(OXYURA JAMAICENSIS)* ON RUSH LAKE, WINNEBAGO COUNTY, WISCONSIN. *M.S. thesis, Univ. Wis.* (Oshkosh). Aug. 1974. *WR 157: 65*

Peterson, Steven R., and Robert S. Ellarson. INCIDENCE OF BODY SHOT IN LAKE MICHIGAN OLDSQUAWS. *J. Wildl. Manage.* 39(1): 217-219. Jan. 1975. *WR 157: 66*
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811] *"Clangula hyemalis."*

Priklonsky, S. G. ON THE NECESSITY OF THE USE OF THE UNIFORM COUNT METHOD FOR THE ESTIMATION OF THE WILDFOWL HARVEST IN THE EUROPEAN COUNTRIES. *Finnish Game Res.* no. 34. p. 57-59. *WR 157: 66*
[Oka State Nature Reserve, Ryasan District, USSR]

Schroeder, Charles H. WATERFOWL HUNTING SUMMARY FOR NORTH DAKOTA FOR 1953 THROUGH 1974. *N. Dak. Outdoors* 37(12): 18-21, illus. June 1975. *WR 157: 66*
[N. Dak. Game & Fish Dep., Bismarck 58505]

Sherrod, Lonnie. THE ROLE OF SIBLING ASSOCIATIONS IN THE FORMATION OF SOCIAL AND SEXUAL COMPANION PREFERENCES IN DUCKS *(ANAS PLATYRHYNCHOS)*: AN INVESTIGATION OF THE PRIMACY VERSUS RECENCY QUESTION. *Z. Tierpsychol.* 34(3): 247-264, illus. 1974. [From Biol. Abstr. 59(3), 1975. In English with German summ.] *WR 157: 66*
[1323 Spruce Road, Knoxville, Tenn. 37920]

Siegfried, W. Roy. TIME BUDGET OF BEHAVIOR AMONG LESSER SCAUPS ON DELTA MARSH. *J. Wildl. Manage.* 38(4): 708-713, 3 figs. Oct. 1974. *WR 157: 66*
[Fitzpatrick Inst., Univ. Cape Town, Rondebosch 7700, South Africa] *"Aythya affinis."*

Swennen, C. AFWIJKENDE KLEUREN BIJ DE EIDEREENDEN VAN VLIELAND. [ABERRANT COLORATIONS IN THE EIDER DUCKS OF VLIELAND: *(SOMATERIA M. MOLLISSIMA).*] *Limosa* 47(1/2): 51-52. 1974. [From Biol. Abstr. 59(2), 1975. In Dutch with English summ.] *WR 157: 66*
[Ned. Inst. Onderz. Zee, Postbus 59, Texel, Netherlands]

Weller, Milton W. HABITAT SELECTION BY WATERFOWL OF ARGENTINE ISLA GRANDE. *Wilson Bull.* 87(1): 83-90, 1 fig. Mar. 1975. *WR 157: 66*
[Univ. Minn., St. Paul 55108] Courtesy/ Paul A. Stewart.

Wennrich, Gunter. ÜBER DAS "ANSTOSS-NEHMEN" BEI EINER PARKPOPULATION VON STOCKENTEN *(ANAS PLATYRHYNCHOS).* [ON "AGONISTIC POSTURES" IN A PARK POPULATION OF MALLARDS *(ANAS PLATYRHYNCHOS).*] *Ornithol. Mitt.* 26(9): 183-184. Sept. 1974. In German. *WR 157: 66*
[Institut fur Kleintierzucht, Dornbergstr. 25/27, D 31 Alle, West Germany]

Williams, Sartor O. III. REDHEAD BREEDING IN THE STATE OF JALISCO, MEXICO. *Auk* 92(1): 152-153. Jan. 1975. *WR 157: 66*
[Colo. State Univ., Fort Collins 80521] *"Aythya americana."*--Courtesy/ Paul A. Stewart.

SWANS & GEESE

Ankney, Claude Davison. THE IMPORTANCE OF NUTRIENT RESERVES TO BREEDING BLUE GEESE, *ANSER CAERULESCENS. Ph. D. thesis, Univ. Western Ontario.* 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975. To obtain a microfiche copy order directly from the National Library of Canada at Ottawa. A reference copy is available at the D. B. Weldon Library, University of Western Ontario.] *WR 157: 66*

Barry, Thomas W., and Janet Kear. A BIBLIOGRAPHY OF THE SWANS. *Canadian Wildl. Serv.* and *Wildfowl Trust* ii + 181 p. [1975] *WR 157: 66*
[Canadian Wildl. Serv., Edmonton, Alberta, Canada] "The swans of the world are covered. The titles are for a period through 1971 and part of 1972. Coverage prior to 1930 is not complete. Brief annotations are given, except for titles which were not seen."

Blokpoel, H., and Maureen C. Gauthier. MIGRATION OF LESSER SNOW AND BLUE GEESE IN SPRING ACROSS SOUTHERN MANITOBA. PART 2: INFLUENCE OF THE WEATHER AND PREDICTION OF MAJOR FLIGHTS. *Can. Wildl. Serv. Rep. Ser.* no. 32. 30 p., 5 figs. 1974. In English with French and Russian summ. Price Canada $1.00, other countries $1.20. *WR 157: 67*
"Anser c. caerulescens." [Part 1 in *WR 152: 70.*]

Flinks, Heiner. ERSTE ERGEBNISSE DER GÄNEZÄHLUNG 1966-1972 IN NRW. [FIRST RESULTS OF THE 1966-1972 GOOSE CENSUS IN NORTH RHEIN-WESTPHALIA.] *Anthus* 10(3/4): 75-79. 1973. In German. *WR 157: 67*
[Am Kuhn 19, 428 Borken, West Germany]

George, Ronnie R., and Eric G. Bolen. ENDOPARASITES OF BLACK-BELLIED WHISTLING DUCKS IN SOUTHERN TEXAS. *J. Wildl. Dis.* 11(1): 17-22. Jan. 1975. *WR 157: 67*
[Iowa Conserv. Comm., Boone 50036] *"Dendrocygna autumnalis."*

Henderson, Bobby M., and R. W. Winterfield. ACUTE COPPER TOXICOSIS IN THE CANADA GOOSE. *Avian Dis.* 19(2): 385-387, 1 fig. Apr.-June 1975. *WR 157: 67*
[Purdue Univ., West Lafayette, Ind. 47907] *"Branta canadensis."*

Irwin, J. C. MORTALITY FACTORS IN WHISTLING SWANS AT LAKE ST. CLAIR, ONTARIO. *J. Wildl. Dis.* 11(1): 8-12. Jan. 1975. *WR 157: 67*
[Univ. Guelph, Guelph, Ontario, Canada N1G 2W1] *"Olor columbianus."*

Kuhme, W. HAWAIIGANS *(BRANTA SANDVICENSIS).* [REARING PROBLEMS IN THE COLOGNE ZOO: HAWAIIAN GOOSE *(BRANTA SANDVICENSIS).*] *Z. Kölner Zoo* 3(17): 97-102. 1974. In German with English summ. *WR 157: 67*
[Cologne Zoo, Riehler Str. 173, 5 Cologne 60, West Germany]

Lumsden, H. G. DIFFERENTIAL MIGRATION IN YEARLING AND ADULT LESSER SNOW GEESE *(ANSER CAERULESCENS).* *Bird-Banding* 46(1): 40-46, 1 fig. Winter 1975. *WR 157: 67*
[Fish & Wildl. Res. Branch, Ontario Ministry Nat. Res., Maple, Ontario, L0J 1E0, Canada] Courtesy/ Paul A. Stewart.

MacInnes, Charles D., Rolph A. Davis, René N. Jones, Bernard C. Lieff, and Allan J. Pakulak. REPRODUCTIVE EFFICIENCY OF MCCONNELL RIVER SMALL CANADA GEESE. *J. Wildl. Manage.* 38(4): 686-707, 3 figs. Oct. 1974. *WR 157: 67*
[Ontario Min. Nat. Resour., P. O. Box 50, Maple, Ontario, L0J 1E0, Canada] *"Branta canadensis."*

Owen, Myrfyn. CUTTING AND FERTILIZING GRASSLAND FOR WINTER GOOSE MANAGEMENT. *J. Wildl. Manage.* 39(1): 163-167, 1 fig. Jan. 1975. *WR 157: 67*
[Waterfowl Trust, Slimbridge, Gloucester, England] *"Anser albifrons."*

Rosenberger, J. K., S. Klopp, and W. C. Krauss. CHARACTERIZATION OF NEWCASTLE DISEASE VIRUSES ISOLATED FROM MIGRATORY WATERFOWL IN THE ATLANTIC FLYWAY. *Avian Dis.* 19(1): 142-149. Jan.-Mar. 1975. *WR 157: 67*
[Univ. Del., Newark 19711]

Roweck, Hartmut. SCHNEEGANS *(ANSER CAERULESCENS)* AUF FEHMARN. [SNOW GOOSE *(ANSER CAERULESCENS)* ON FEHMARN.] *Ornithol. Mitt.* 26(8): 158. Aug. 1974. In German. *WR 157: 67*
[Hegelstrasse 58, D 7 Stuttgart 1, West Germany]

Sulgostowska, Teresa. TREMATODES OF THE MUTE SWAN *CYGNUS OLOR* (GM.) FROM CENTRAL AND NORTHERN REGIONS OF POLAND. *Acta Parasitol. Pol.* 20(40): 473-481, 1 fig. 1972. In English with Polish summ. *WR 157: 67*
[Inst. Biol. Podstaw Hodowli Zwierzat, Warsaw, Poland]

Walters, Carl J., Ray Hilborn, Emily Oguss, Randall M. Peterman, and Jeffrey M. Stander. DEVELOPMENT OF A SIMULATION MODEL OF MALLARD DUCK POPULATIONS. *Can. Wildl. Serv. Occas. Pap.* no. 20. 35 p., 15 figs. 1974. In English with French summ. *WR 157: 67*
"Anas platyrhynchus."

SWANS & GEESE--Continued

Weaver, David K., and Raymond L. St. Ores, editors. PROCEEDINGS AND PAPERS OF THE THIRD TRUMPETER SWAN SOCIETY CONFERENCE/HOSTED BY LACREEK NATIONAL WILDLIFE REFUGE U. S. BUREAU OF SPORT FISHERIES AND WILDLIFE, MARTIN, SOUTH DAKOTA, SEPTEMBER 18-20, 1973. vii + 124 p., illus. [1974] *WR 157: 68*
[Hennepin County Park Reserve District, Maple Plain, Minn. 55359] Includes 26 papers and panels grouped as follows: International trumpeters -- 7 papers; Managing trumpeter flocks -- 7 papers; Managing swan potentials -- 5 papers; Management studies -- 4 papers, and Trumpeter swan management panels--3 panels.

Williams, Milt. HOUSING PROJECTS FOR CANADA GEESE. *Idaho Wildl. Rev.* 27(5): 6-9, illus. Mar.-Apr. 1975. *WR 157: 68*
Various nesting platforms for geese are figured.

SHOREBIRDS, MARSH BIRDS & THEIR ALLIES

Ahlquist, Jon Edward. THE RELATIONSHIPS OF THE SHOREBIRDS (CHARADRIIFORMES). *Ph. D. thesis, Yale Univ.* 207 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 68*

Artmann, Joseph W. *CUTEREBRA* PARASITISM OF AN AMERICAN WOODCOCK. *J. Parasitol.* 61(1): 65. Feb. 1975. *WR 157: 68*
[Patuxent Wildl. Res. Cent., Laurel, Md. 20811]

Baker, A. J. MELANIN PIGMENTATION IN THE DORSAL PLUMAGE OF NEW ZEALAND OYSTER-CATCHERS. *N.Z. J. Zool.* 1(2): 159-164. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 68*
[Roy. Ont. Mus., Toronto, Ontario M5S 2C6, Canada] *"Haematopus unicolor."*

Banks, Richard C. INVALID RECORD OF A RAIL FROM MAZATLÁN, MEXICO. *Auk* 92(1): 166-168. Jan. 1975. *WR 157: 68*
[Natl. Mus. Nat. Hist., Washington, D. C. 20560] *"Rallus elegans tenuirostris."*--Courtesy/ Paul A. Stewart.

Banks, Richard C., and Roy E. Tomlinson. TAXONOMIC STATUS OF CERTAIN CLAPPER RAILS OF SOUTHWESTERN UNITED STATES AND NORTHWESTERN MEXICO. *Wilson Bull.* 86(4): 325-335, 2 figs. Dec. 1974. *WR 157: 68*
[U.S. Fish & Wildl. Serv., Washington, D. C. 20240] *"Rallus longirostris yumanensis, R.l. rhizophorae,* and *R.l. nayaritensis."*--Courtesy/ Paul A. Stewart.

Becker, P., R.A.C. Jensen, and H. H. Berry. BROAD-BILLED SANDPIPER *LIMICOLA FALCINELLUS* IN SOUTH WEST AFRICA. *Madoqua* Ser. I. no. 8. p. 67-71, 6 pls. 1974. *WR 157: 68*
[Dammstr. 25, 32 Hildesheim, West Germany]

Boehme, Friedrich, and Uwe Zuppke. DER BESTAND DES WEISSSTORCHS *(CICONIA CICONIA)* IM KREIS WITTENBERG (BERZIRK HALLE) VON 1955 BIS 1970. [THE POPULATION OF THE WHITE STORK *(CICONIA CICONIA)* IN THE DISTRICT OF WITTENBERG (HALLE REGION) FROM 1955 TO 1970.] *Beitr. Vogelkd.* 20(1/2): 67-104, illus. 1974. [From Biol. Abstr. 59(2), 1975. In German.] *WR 157: 68*
[Lutherstr. 46, 46 Wittenberg Lutherstadt, East Germany]

Coon, Richard A. FINAL SUMMARY REPORT FOR COOPERATING WOODCOCK HUNTERS 1971, 1972, 1973. *Pa. Game News* 46(4): 41-42. Apr. 1975. *WR 157: 68*
[Pa. State Univ., State College 16801]

Cooper, J. E., L. Karstad, and E. Boughton. TUBERCULOSIS IN LESSER FLAMINGOES IN KENYA. *J. Wildl. Dis.* 11(1): 32-36, 2 figs. Jan. 1975. *WR 157: 68*
[Clinical Res. Cent., Watford Road, Harrow, Middlesex, England] *"Phoeniconaias minor."*

Drewien, Roderick C., and Elwood C. Bizeau. STATUS AND DISTRIBUTION OF GREATER SANDHILL CRANES IN THE ROCKY MOUNTAINS. *J. Wildl. Manage.* 38(4): 720-742, 3 figs. Oct. 1974. *WR 157: 69*
[Idaho Coop. Wildl. Res. Unit, Moscow 83843] *"Grus canadensis tabida."*

Engler, Helmut. ZUR LAUTAUSSERUNG DER TEICHRALLE *(GALLINULA CHLOROPUS)* BEIM AGGRESSIVVERHALTEN. [ON THE VOCALIZATION OF THE COMMON GALLINULE *(GALLINULA CHLOROPUS)* DURING AGGRESSIVE BEHAVIOR.] *Ornithol. Mitt.* 26(11): 230. Nov. 1974. In German. *WR 157: 69*
[Karlsruher Strasse 19, D 694 Weinheim, West Germany]

Gloe, Peter. ZUM NAHRUNGSERWERB DER TEICHRALLE *(GALLINULA CHLOROPUS).* [ON THE FOOD ACQUISITION OF THE COMMON GALLINULE *(GALLINULA CHLOROPUS).*] *Ornithol. Mitt.* 26(9): 187. Sept. 1974. In German. *WR 157: 69*
[Mühlenstrasse 10, D 2223 Meldorf, West Germany]

Gloe, Peter, and Günther Busche. ZUM BRUTVORKOMMEN DES AUSTERNFISCHERS *(HAEMATOPUS OSTRALEGUS)* IN DITHMARSCHEN. [ON OYSTERCATCHER *(HAEMATOPUS OSTRALEGUS)* BROOD OCCURRENCE IN DITHMARSCHEN.] *Ornithol. Mitt.* 26(8): 147-151. Aug. 1974. In German. *WR 157: 69*
[Mühlenstrasse 10, D 2223 Meldorf, West Germany]

Godfrey, Geoffrey Arthur. B[illegible]VIOR AND ECOLOGY OF AMERICAN WOODCOCK ON THE BREEDING RANGE IN MINNESOTA. *Ph. [illegible] thesis, Univ. Minn.* 346 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 69*
"Philohela minor."

Gorgas, Michael. ERSTE FLAMINGOBRUT IM KÖLNER ZOO. [FIRST FLAMINGO BROOD IN THE COLOGNE ZOO.] *Z. Kölner Zoo* 14(2): 67-70. 1971. In German with English summ. *WR 157: 69*
[Cologne Zoo, Riehler Str. 173, 5 Cologne 60, West Germany] Breeding behavior. *"Phoenicopterus* spp."

Graul, Walter D. BREEDING BIOLOGY OF THE MOUNTAIN PLOVER. *Wilson Bull.* 87(1): 6-31, 8 figs. Mar. 1975. *WR 157: 69*
[Colo. Div. Wildl., 6060 Broadway, Denver 80216] *"Charadrius montanus."*—Courtesy/ Paul A. Stewart.

Greve, Karl, and Peter Gloe. DURCHZUG UND MASSE VON BEKASSINEN *(GALLINAGO GALLINAGO)* IM BRAUNSCHWEIGER RIESELFELD. [MIGRATION AND NUMBERS OF SNIPE *(GALLINAGO GALLINAGO)* IN AN IRRIGATED FIELD NEAR BRAUNSCHWEIG.] *Ornithol. Mitt.* 26(8): 154-157, 3 figs. Aug. 1974. In German. *WR 157: 69*
[Siegfriedstrasse 27, D 3300 Braunschweig, West Germany]

Guthery, Fred S. FOOD HABITS OF SANDHILL CRANES IN SOUTHERN TEXAS. *J. Wildl. Manage.* 39(1): 221-223. Jan. 1975. *WR 157: 69*
[Tex. Agric. Exp. Stn., College Station 77843] *"Grus canadensis."*

Harrington, Brian A., and James J. Dinsmore. MORTALITY OF TRANSIENT CATTLE EGRETS AT DRY TORTUGAS, FLORIDA. *Bird-Banding* 46(1): 7-14, 1 fig. Winter 1975. *WR 157: 69*
[Manomet Bird Observatory, Manomet, Mass. 02345] *"Bubulcus ibis."*—Courtesy/ Paul A. Stewart.

Hausmann, Albert, and Klaus Hausmann. DIE AUSTERNFISCHER *(HAEMATOPUS OSTRALEGUS)* DER HALLIG NORDEROOG 1973. [THE OYSTERCATCHER *(HAEMATOPUS OSTRALEGUS)* OF HALLIG NORDEROOG, 1973.] *Ornithol. Mitt.* 26(5): 89-94, 3 figs. 1974. In German. *WR 157: 69*
[Küpershof 18, D465 Gelsenkirchen, West Germany]

Higgins, Kenneth F., and Leo M. Kirsch. SOME ASPECTS OF THE BREEDING BIOLOGY OF THE UPLAND SANDPIPER IN NORTH DAKOTA. *Wilson Bull.* 87(1): 96-102, 1 fig. Mar. 1975. *WR 157: 70*
[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak. 58401] *"Bartramia longicauda."*--Courtesy/ Paul A. Stewart.

Hoff, James G. CLAPPER RAIL FEEDING ON WATER SNAKE. *Wilson Bull.* 87(1): 112. Mar. 1975. *WR 157: 70*
[Southeastern Mass. Univ., Dartmouth 02747] A clapper rail *(Rallus longirostris)* was found eating a recently killed water snake *(Natrix sipedon).*--Courtesy/ Paul A. Stewart.

Johnson, A. R. LA NIDIFICATION DES FLAMANTS DE CAMARGUE EN 1972 ET 1973. [NESTING OF FLAMINGOS DURING 1972 AND 1973.] *Terre Vie* 29(1): 113-115. Jan.-Mar. 1975. In French. *WR 157: 70*
[Stn. Biol. Tour Valat, Le Sambuc, 13200 Arles, France]

Kishchinskii, A. A. [THE BIOLOGY AND BEHAVIOR OF PECTORAL SANDPIPERS IN THE TUNDRAS OF EASTERN SIBERIA.] *Byull. Mosk. O-va. Ispyt. Prir. Otd. Biol.* 79(1): 73-88, illus. 1974. [From Biol. Abstr. 59(2), 1975. In Russian with English summ.] *WR 157: 70*
"Heteropygia melanotos."

Kocian, L'udovit. NOVY VYSKYT LYSKONOHA PLOSKOZOBEHO *PHALAROPUS FULICARIUS* (L., 1758) NA SLOVENSKU. [THE NEW OCCURRENCE OF *PHALAROPUS FULICARIUS* (L., 1758) IN SLOVAKIA.] *Zb. Slov. Nar. Muz. Prir. Vedy* 19(2): 197. 1973. [From Biol. Abstr. 59(2), 1975. In Czech with German summ.] *WR 157: 70*
[Katedra syst. a ekol. zool., PFUK Moskovska 2, Bratislava, Czechoslovakia]

Krohn, William B., and James R. Hynson. A SEARCH FOR BLOOD PROTOZOANS IN THE AMERICAN WOODCOCK. *J. Wildl. Dis.* 11(1): 107-108. Jan. 1975. *WR 157: 70*
[Univ. Idaho, Moscow 83843] *"Philohela minor."*

Kushlan, James A. BLACK-CROWNED NIGHT HERON DIVING FOR PREY. *Fla. Field Nat.* 1(2): 27-28. Fall 1973. *WR 157: 70*
[Univ. Miami, Coral Gables 33124] *"Nycticorax nycticorax."*

Kushlan, James A. THE ECOLOGY OF THE WHITE IBIS IN SOUTHERN FLORIDA, A REGIONAL STUDY. *Ph. D. thesis, Univ. Miami.* 142 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 70*

Lenington, Sarah, and Terry Mace. MATE FIDELITY AND NESTING SITE TENACITY IN THE KILLDEER. *Auk* 92(1): 149-151. Jan. 1975. *WR 157: 70*
[Univ. Chicago, Chicago, Ill. 60637] *"Charadrius vociferous"*--Courtesy/ Paul A. Stewart.

Martinez, E. F. RECOVERY OF A SEMIPALMATED SANDPIPER AT PRUDHOE BAY, ALASKA. *Bird-Banding* 45(4): 364-365. Autumn 1974. *WR 157: 70*
[5851 Hemlock, Great Bend, Kans. 67530] *"Calidris pusillus."*--Courtesy/ Paul A. Stewart.

Naney, Robert H. SNIPE BREEDING DISPLAYS PERFORMED ON WINTERING GROUNDS. *Auk* 92(1): 169. Jan. 1975. *WR 157: 70*
[La. State Univ., Baton Rouge 70803] Common snipes *(Capella gallinago)* were heard bleating on their wintering grounds in Louisiana.--Courtesy/ Paul A. Stewart.

Nesbitt, Stephen A. WOOD STORK NESTING IN NORTH FLORIDA. *Fla. Field Nat.* 1(2): 25-26. Fall 1973. *WR 157: 70*
[Fla. Game & Fresh Water Fish Commission, Gainesville 32601] *"Mycteria americana."*

Nogge, Gunther. BEOBACHTUNGEN AN DEN FLAMINGOBRUTPLAETZEN AFGHANISTANS. [OBSERVATIONS AT BREEDING-PLACES OF FLAMINGOES IN AFGHANISTAN.] *J. Ornithol.* 115(2): 142-151. 1974. [From Biol. Abstr. 59(2), 1975. In German with English summ.] *WR 157: 71*
[Inst. Angew. Zool., An der Immenburg 1, 53 Bonn 1, West Germany] *"Charadrius leschenaultii."*

Olson, Storrs L. A STUDY OF THE NEOTROPICAL RAIL *ANUROLIMNAS CASTANEICEPS* (AVES: RALLIDAE) WITH A DESCRIPTION OF A NEW SUBSPECIES. *Proc. Biol. Soc. Wash.* 86(34): 403-412, illus. 1973. [From Biol. Abstr. 59(2), 1975.] *WR 157: 71*
[Natl. Mus. Nat. Hist., Washington D. C. 20560]

Olson, Storrs L. THE SOUTH PACIFIC GALLINULES OF THE GENUS *PAREUDIASTES*. *Wilson Bull.* 87(1): 1-5 + 1 pl. Mar. 1975. *WR 157: 71*
[Natl. Mus. Nat. Hist., Washington, D. C. 20560] Courtesy/ Paul A. Stewart.

Owen, Ray B., Jr., and John W. Morgan. SUMMER BEHAVIOR OF ADULT RADIO-EQUIPPED WOODCOCK IN CENTRAL MAINE. *J. Wildl. Manage.* 39(1): 179-182. Jan. 1975. *WR 157: 71*
[Univ. Maine, Orono 04473] *"Philohela minor."*

Phelps, William H., Jr. WILLET BREEDING IN LOS ROQUES ARCHIPELAGO, VENEZUELA. *Auk* 92(1): 164-165. Jan. 1975. *WR 157: 71*
[Apartado 2009, Caracas 101, Venezuela] *"Catoptrophorus semipalmatus."*--Courtesy/ Paul A. Stewart.

Purdue, James Richard. ADAPTATIONS OF THE SNOWY PLOVER, *CHARADRIUS ALEXANDRINUS*, TO AN INLAND SALT PLAIN. *Ph. D. thesis, Univ. Okla.* 82 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975] *WR 157: 71*

Rencurel, Paul. L'IBIS CHAUVE *GERONTICUS EREMITA* DANS LE MOYEN-ATLAS. [THE BALD IBIS *GERONTICUS EREMITA* OF THE MIDDLE ATLAS RANGE.] *Alauda* 42(2): 143-158. 1974. [From Biol. Abstr. 59(2), 1975. In French. *WR 157: 71*
[Vagnas par Brujas, 07150 Vallon, France]

Robin, Paul. COMPORTEMENT DE COLONIES DE *GERONTICUS EREMITA* DANS LE SUD MAROCAIN, LORS DES PERIODES DE SECHERESSE. [BEHAVIOR OF COLONIES OF *GERONTICUS EREMITA* IN SOUTHERN MOROCCO DURING DRY PERIODS.] *Bonn. Zool. Beitr.* 24(3): 317-322, illus. 1973. [From Biol. Abstr. 59(3), 1975. In French with German summ.] *WR 157: 71*
[Hop. Avenzoar, Marrakech, Morocco] Including *Pterocles alchata*, and *P. senegallus*.

Rossbach, R. BEOBACHTUNGEN AN RASTENDEN KRANICHEN--*GRUS GRUS*--IN DER WETTERAU. [OBSERVATIONS OF ROOSTING CRANES--*GRUS GRUS*--IN THE WETTERAU.] *Luscinia* 41(2): 92-94. 1970. In German. *WR 157: 71*
[Steinauer Str. 44, 6 Frankfurt/Main-Fechenheim, West Germany] Age/sex ratios and behavior.

Rossbach, R. BRUTERGEBNIS DES WEISSSTORCHS--*CICONIA CICONIA*--1970 IN HESSEN. [BREEDING SUCCESS OF THE WHITE STORK--*CICONIA CICONIA*--IN 1970 IN HESSE.] *Luscinia* 41(2): 89-90. 1970. In German. *WR 157: 71*
[Steinauer Str. 44, 6 Frankfurt/Main-Fechenheim, West Germany]

Rudegeair, Thomas. THE GULAR POUCH OF THE FEMALE WHITE IBIS. *Auk* 92(1): 168-169. Jan. 1975. *WR 157: 71*
[Univ. Fla., Gainesville 32611] *"Eudocimus albus."*--Courtesy/ Paul A. Stewart.

Ruempler, Christa, and Götz Ruempler. ZUR KUNSTLICHEN ERBRUTUNG UND HANDAUFZUCHT VON SABELSCHNABLERN *(RECURVIROSTRA AVOSETTA)*. [ON THE ARTIFICIAL INCUBATION AND HAND-REARING OF PIED AVOCETS *(RECURVIROSTRA AVOSETTA)*.] *Z. Kölner Zoo* (16)1: 31-33, illus. 1973. In German with English summ. *WR 157: 71*
[Animal Grotto and North-Sea Aquarium, Am Weserdeich, 285 Bremerhaven, West Germany] Breeding behavior.

SHOREBIRDS, MARSH BIRDS & THEIR ALLIES--Continued

Schoennagel, Erich. IN NIEDERSACHSEN FRÜHJAHRSJAGD AUF WALDSCHNEPFE *(SCOLOPAX RUSTICOLA)* VERKÜRZT. [SPRING HUNTING OF WOODCOCK *(SCOLOPAX RUSTICOLA)* IN LOWER SAXONY SHORTENED.] *Ornithol. Mitt.* 26(8): 158. Aug. 1974. In German. *WR 157: 72*
[Am Meisenbrink 14, D 325 Hameln, West Germany]

Simpson, Charles F., Donald J. Forrester, and Stephen A. Nesbitt. AVIAN POX IN FLORIDA SANDHILL CRANES. *J. Wildl. Dis.* 11(1): 112-115, 4 figs. Jan. 1975. *WR 157: 72*
[Univ. Fla., Gainesville 32611] *"Grus canadensis pratensis."*

Stehlik, Josef. BEITRAG ZUR BIOLOGIE DER JUNGFERNKRANICHE *(ANTHROPOIDES VIRGO)*. [CONTRIBUTION TO THE BIOLOGY OF DEMOISELLE CRANES *(ANTHROPOIDES VIRGO)*.] *Freunde Kölner Zoo* 3(13): 115-119, illus. 1970. In German with English summ. *WR 157: 72*
[Ostrava Zoo, Ostrava, Czechoslovakia] Breeding behavior, nest construction and parental care.

Van Swelm, Norman D., Dick J. G. Brand, and Jan Van Der Straaten. VANGST VAN EEN SIBERISCHE GESTREEPTE STRANDLOPER *CALIDRIS ACUMINATA* IN MONSTER. [CAPTURE OF A SHARP-TAILED SANDPIPER, *CALIDRIS ACUMINATA*, IN MONSTER.] *Limosa* 47(1/2): 55-56. 1974. [From Biol. Abstr. 59(2), 1975. In Dutch with English summ.] *WR 157: 72*
[Woudenbergstr. 125, Den Haag, Netherlands]

Walmsley, J. G. THE DEVELOPMENT OF A BREEDING POPULATION OF GREY HERONS *(ARDEA CINEREA)* IN THE CAMARGUE. *Terre Vie* 29(1): 89-99, 1 fig. Jan.-Mar. 1975. In English with French summ. *WR 157: 72*
[Stn. Biol. Tour Valat, Le Sambuc, 13200 Arles, France]

Weber, William J. NOTES ON CATTLE EGRET BREEDING. *Auk* 92(1): 111-117, 3 figs, Jan. 1975. *WR 157: 72*
[R.1, Box 368A, Leesburg, Fla. 32748] *"Bubulcus ibis."*--Courtesy/ Paul A. Stewart.

SEABIRDS & THEIR ALLIES

Ainley, David G., and T. James Lewis. THE HISTORY OF FARALLON ISLAND MARINE BIRD POPULATIONS, 1854-1972. *Condor* 76(4): 432-446, 4 figs. Winter 1974. *WR 157: 72*
[Point Reyes Bird Observatory, Bolinas, Calif. 94924] The largest concentration of breeding marine birds in the United States outside of Alaska and Hawaii occurs on the Farallon Islands.--Courtesy/ Paul A. Stewart.

Barash, David P., Patrick Donovan, and Rinda Myrick. CLAM DROPPING BEHAVIOR OF THE GLAUCOUS-WINGED GULL *(LARUS GLAUCESCENS)*. *Wilson Bull.* 87(1): 60-64. Mar. 1975. *WR 157: 72*
[Univ. Wash., Seattle 98195] Courtesy/ Paul A. Stewart.

Berry, H. H. THE CROWNED RACE OF REED CORMORANT *PHALACROCORAX AFRICANUS CORONATUS* BREEDING UNDERNEATH WALVIS BAY GUANO PLATFORM, SOUTH WEST AFRICA. *Madoqua* Ser. I no. 8 p. 59-62, 3 pls. 1974. *WR 157: 72*
[Div. Nature Conservation & Tourism, Windhoek, South West Africa]

Bierregaard, Richard O., Jr., Augustus Ben David II, and Timothy D. Baird. FIRST NORTHWESTERN ATLANTIC BREEDING RECORD OF THE MANX SHEARWATER. *Auk* 92(1): 145-147. Jan. 1975. *WR 157: 72*
[Felix Neck Wildl. Sanctuary, Box 1055, Oak Bluffs, Mass. 02557] *"Puffinus puffinus."*--Courtesy/ Paul A. Stewart.

Brown, William Y. ARTIFACTUAL CLUTCH SIZE IN SOOTY TERNS AND BROWN NODDIES. *Wilson Bull.* 87(1): 115-116. Mar. 1975. *WR 157: 72*
[23 Hudson St., Cambridge, Mass. 02138] *"Sterna fuscata* and *Anous stolidus."*--Courtesy/ Paul A. Stewart.

Buckley, F. G., and P. A. Buckley. COMPARATIVE FEEDING ECOLOGY OF WINTERING ADULT AND JUVENILE ROYAL TERNS (AVES: LARIDAE, STERNINAE). *Ecology* 55(5): 1053-1063, 1 fig. Late Summer. 1974. *WR 157: 73*
[Natl. Park Service, 150 Causeway St., Boston, Mass. 02114] *"Sterna maxima."*--Courtesy/ Paul A. Stewart.

Castle, J. F. BIRDS RECOVERED FROM BANKS PENINSULA BEACHES, NEW ZEALAND, FEBRUARY 1971 TO FEBRUARY 1972. *Mauri Ora* 2. p. 31-44, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 73*
[Univ. Canterbury, Christchurch, New Zealand] Of the 25 spp. found, penguins, petrels, shags and gulls were the most abundant. The rarest specimen was an antarctic fulmar *Fulmarus glacialoides*.

Clapp, Roger B. ALBINISM IN THE BLACK NODDY *(ANOUS TENUIROSTRIS)*. *Condor* 76(4): 464-465, 1 fig. Winter 1974. *WR 157: 73*
[Natl. Mus. Nat. Hist., Washington, D. C. 20560] Courtesy/ Paul A. Stewart.

Derksen, Dirk Van. A QUANTITATIVE ANALYSIS OF THE INCUBATION BEHAVIOR OF THE ADELIE PENGUIN *(PYGOSCELIS ADELIAE)*. *Ph. D. thesis, Iowa State Univ.* 79 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 73*

Dinsmore, James J., and Ralph W. Schreiber. BREEDING AND ANNUAL CYCLE OF LAUGHING GULLS IN TAMPA BAY, FLORIDA. *Wilson Bull.* 86(4): 419-427. Dec. 1975. *WR 157: 73*
[Univ. Tampa, Tampa, Fla. 33606] *"Larus atricilla."*--Courtesy/ Paul A. Stewart.

Drury, William H., and John A. Kadlec. THE CURRENT STATUS OF THE HERRING GULL POPULATION IN THE NORTHEASTERN UNITED STATES. *Bird-Banding* 45(4): 297-306. Autumn 1974. *WR 157: 73*
[Mass. Audubon Soc., Lincoln 01773] *"Larus argentatus."*--Courtesy/ Paul A. Stewart.

Evans, Roger M. RESPONSIVENESS OF YOUNG HERRING GULLS TO ADULT "MEW" CALLS. *Auk* 92(1): 140-143. Jan. 1975. *WR 157: 73*
[Univ. Manitoba, Winnipeg, Canada] *"Larus argentatus."*--Courtesy/ Paul A. Stewart.

Fisher, Harvey I. LONGEVITY OF THE LAYSAN ALBATROSS, *DIOMEDEA IMMUTABILIS*. *Bird-Banding* 46(1): 1-6. Winter 1975. *WR 157: 73*
[Fenwood Toft, Triplett, Mo. 65286] These birds are presently known to live at least 40 years.--Courtesy/ Paul A. Stewart.

Fisk, Erma J. LEAST TERN: BELEAGURED, OPPORTUNISTIC AND ROOF-NESTING. *Am. Birds* 29(1): 15-16. Feb. 1975. *WR 157: 73*
[7101 S W 284 Street, Homestead, Fla. 33030]

Gochfeld, Michael. DEVELOPMENTAL DEFECTS IN COMMON TERNS OF WESTERN LONG ISLAND, NEW YORK. *Auk* 92(1): 58-65. Jan. 1975. *WR 157: 73*
[Am. Mus. Nat. Hist., New York, N.Y. 10024] *"Sterna hirundo"*.--Courtesy/ Paul A. Stewart.

Goethe, Friedrich. ZUM "TYPUS" VON *LARUS ARGENTATUS HEUGLINI* BREE IM STAATLICHEN MUSEUM FUER NATURKUNDE ZU STUTTGART. [ON THE "TYPE" OF *LARUS ARGENTATUS HEUGLINI* BREE IN THE STUTTGART STAATLICHES MUSEUM FUER NATURKUNDE.] *Stuttg. Beitr. Naturkd. Ser. A (Biol.)* 261. p. 1-8, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 73*
[Inst. Vogelforsch. Vogelwarte Helgol., Hauptsitz Wilhelmshaven, An der Vogelwarte 21, 294 Wilhelmshaven, West Germany]

Groves, Sarah, and George Peabody. DEAD HERRING GULL IS FOUND INSIDE DEAD GOOSEFISH. *Bird-Banding* 46(1): 76. Winter 1975. *WR 157: 73*

[Manomet Bird Observatory, Manomet, Mass. 02345] A goosefish *(Lophius americanus)* had eaten an entire adult herring gull *(Larus argentatus)*.--Courtesy/ Paul A. Stewart.

Hatch, Jeremy J. HOMING EXPERIMENTS WITH ARCTIC TERNS RELEASED OVER LAND AND SEA. *Bird-Banding* 46(1): 47-54, 1 fig. Winter 1975. *WR 157: 74*
[Univ. Mass., Boston 02125] *"Sterna paradisea."*--Courtesy/ Paul A. Stewart.

Hunter, Malcolm L., Jr. LEAST TERN BREEDING RANGE EXTENSION IN MAINE. *Auk* 92(1): 143-145. Jan. 1975. *WR 157: 74*
[Univ. Maine, Orono 04473] *"Sterna albifrons."*--Courtesy/ Paul A. Stewart.

Isenmann, Paul. OBSERVATIONS SUR LA MOUETTE PYGMEE *(LARUS MINUTUS)* EN CAMARGUE DE 1971 A 1974. [OBSERVATIONS UPON THE LITTLE GULL *LARUS MINUTUS* IN THE CAMARGUE DURING 1971-1974.] *Terre Vie* 29(1): 77-88, 1 fig. Jan.-Mar. 1975. In French with English summ. *WR 157: 74*
[Cent. Ecol. Camargue (CNRS), Le Sambuc, 13200 Arles, France]

Johnson, Robert F., Jr., and Norman F. Sloan. FISHING GEAR--A DEADLY HAZARD. *Inland Bird Banding News* 47(3): 115-117, 1 fig. May-June 1975. *WR 157: 74*
[Mich. Technol. Univ., Houghton 49931] *"Pelecanus erythrorhynchos."*--Courtesy/ Paul A. Stewart.

Jung, Klaus. DIE STURMMÖWE *(LARUS CANUS)* ALS GAST- UND BRUTVOGEL IM WESERTAL. [THE MEW GULL *(LARUS CANUS)* AS A VISITING AND BREEDING BIRD IN THE WESER VALLEY.] *Ornithol. Mitt.* 26(8): 159. Aug. 1974. In German. *WR 157: 74*
[Goethestrasse 10, D 325, Hameln, West Germany]

Kumerloeve, H. INTENSIVER NAHRUNGSPARASITISMUS DER NODDISEESCHWALBE *(ANOUS STOLIDUS)* BEIM BRAUNPELIKAN *(PELECANUS OCCIDENTALIS)*. [INTENSIVE FEEDING PARASITISM OF THE BROWN PELICAN *(PELECANUS OCCIDENTALIS)* BY THE BROWN NODDY *(ANOUS STOLIDUS)*.] *Ornithol. Mitt.* 26(9): 186. Sept. 1974. In German. *WR 157: 74*
[D 8032 München-Gräfelfing, West Germany]

LeCroy, Mary, and Sara LeCroy. GROWTH AND FLEDGING IN THE COMMON TERN *(STERNA HIRUNDO)*. *Bird-Banding* 45(4): 326-340, 3 figs. Autumn 1974. *WR 157: 74*
[Am. Mus. Nat. Hist., New York, N.Y. 10024] Courtesy/ Paul A. Stewart.

Lohrer, Fred E., and Charlotte E. Lohrer. INLAND NESTING OF THE LEAST TERN IN HIGHLANDS COUNTY, FLORIDA. *Fla. Field Nat.* 1(1): 3-5. Spring 1973. *WR 157: 74*
[Archbold Biol. Stn., Rt. 2, Box 380, Lake Placid, Fla.] *"Sterna albifrons."*

Ludwig, Helmut, and Jürgen Sartor. ERSTNACHWEIS DER KÜSTENSEESCHWALBE--*STERNA PARADISAEA*--AUS HESSEN. [FIRST EVIDENCE OF THE ARCTIC TERN--*STERNA PARADISAEA*--FROM HESSE.] *Luscinia* 41(2): 95. 1970. In German. *WR 157: 74*
[Nauborner Str. 19, 633 Wetzlar, West Germany]

Manuwal, David A. EFFECTS OF TERRITORIALITY ON BREEDING IN A POPULATION OF CASSIN'S AUKLET. *Ecology* 55(6): 1399-1406, 2 figs. Autumn 1974. *WR 157: 74*
[Univ. Wash., Seattle 98195] *"Ptychoramphus aleuticus."*--Courtesy/ Paul A. Stewart.

Manuwal, David A. THE INCUBATION PATCHES OF CASSIN'S AUKLET. *Condor* 76(4): 481-484, 3 figs. Winter 1974. *WR 157: 74*
[Univ. Wash. Seattle 98195] The morphology and ecological significance of the brood patch of Cassin's auklets *(Ptychoramphus aleuticus)* are discussed.--Courtesy/ Paul A. Stewart.

Manuwal, David A. THE NATURAL HISTORY OF CASSIN'S AUKLET *(PTYCHORAMPHUS ALEUTICUS)*. *Condor* 76(4): 421-431, 6 figs. Winter 1974. *WR 157: 74*
[Univ. Wash., Seattle 98195] The following items are discussed: nocturnal activity, pairing, nest-site selection, nest microclimate, egg laying, incubation, food, development of young, and nestling activity.--Courtesy/ Paul A. Stewart.

Marion, Loic, and Pierrick Marion. INVASION EN LOIRE-ATLANTIQUE DE GOELANDS BOURGMESTRES: *LARUS HYPERBOREUS*. [THE INCURSION BY BURGOMASTER GULLS IN THE DEPARTMENT OF LOIRE-ATLANTIQUE: *LARUS HYPERBOREUS*.] *Alauda* 42(2): 127-136, illus. 1974. [From Biol. Abstr. 59(2), 1975. In French.] *WR 157: 75*
[95 Cite De Beauvoir, 44340 Bouguenais, France]

Martin, Larry D., and Robert M. Mengel. A NEW SPECIES OF ANHINGA (ANHINGIDAE) FROM THE UPPER PLIOCENE OF NEBRASKA. *Auk* 92(1): 137-140, 2 figs. Jan. 1975. *WR 157: 75*
[Univ. Kans., Lawrence 66045] *"Anhinga grandis."*--Courtesy/ Paul A. Stewart.

Matoušek, Branislav. VÝSKTY POMORNÍKA STREDNÉHO [*STERCORARIUS POMARINUS* (TEMM.)] NA SLOVENSKU. [THE OCCURRENCE OF THE POMARINE JAEGER *STERCORARIUS POMARINUS* IN SLOVAKIA.] *Zb. Slov. Nar. Mus.* 14(1): 149-151. 1968. In Slovak with German summ. *WR 157: 75*

McNicholl, Martin K. LARID SITE TENACITY AND GROUP ADHERENCE IN RELATION TO HABITAT. *Auk* 92(1): 98-104. Jan. 1975. *WR 157: 75*
[Univ. Alberta, Edmonton T6G 2E1, Canada] Nest site tenacity is strong in larids using stable habitats. In unstable habitats, group adherence and reduced site tenacity allow rapid colonization of newly available habitat.--Courtesy/ Paul A. Stewart.

Miller, Don E., and John T. Emlen, Jr. INDIVIDUAL CHICK RECOGNITION AND FAMILY INTEGRITY IN THE RING-BILLED GULL. *Behaviour* 52(1-2): 124-144. 1975. In English with German summ. *WR 157: 75*
[Wash. State Univ., Pullman] *"Larus delawarensis."*

Monson, Gale, and Stephen M. Russell. ARCTIC TERN IN ARIZONA. *Auk* 92(1): 153-154. Jan. 1975. *WR 157: 75*
[Ariz.-Sonora Desert Mus., Tucson 85703] *"Sterna paradisae."*--Courtesy/ Paul A. Stewart.

Neub, Martin. SCHLAFPLATZFLUG DER LACHMOEWE *(LARUS RIDIBUNDUS)* IN EINEM SUED-DEUTSCHEN WINTERQUARTIER. [ON THE ROOSTING BEHAVIOR OF THE BLACKHEADED GULL *(LARUS RIDIBUNDUS)* IN A SOUTH GERMAN WINTERING AREA.] *J. Ornithol.* 115(1): 62-78, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 75*
[Zool. Inst., Katharinenstr. 20, D-7800 Freiburg, West Germany]

Nicholls, C. A. DOUBLE-BROODING IN A WESTERN AUSTRALIAN POPULATION OF THE SILVER GULL, *LARUS NOVAEHOLLANDIAE* STEPHENS. *Aust. J. Zool.* 22(1): 63-70. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 75*
[CSIRO, Clayton Road, Helena Valley, Western Australia, Australia]

Parnell, James F., and Robert F. Soots. HERRING AND GREAT BLACK-BACKED GULLS NESTING IN NORTH CAROLINA. *Auk* 92(1): 154-157, 1 fig. Jan. 1975. *WR 157: 75*
[Univ. N.C., Wilmington, N.C. 28401] *"Larus argentatus* and *L. marinus."*--Courtesy/ Paul A. Stewart.

Sanchez-Hernandez, Cornelio, and Luis Alfredo Perez-Jimenez. NOTAS SOBRE LA BIOLOGIA DE LA "BUBIA DE VIENTRE BLANCO" *(SULA LEUCOGASTER NESIOTES*; FAMILIA SULIDAE) EN LA BAHIA DE CHAMELA, JALISCO, MEXICO. [NOTES ON THE BIOLOGY OF THE WHITE-BELLIED GANNET: FAMILY, SULIDAE, *(SULA LEUCOGASTER NESIOTES)* IN THE BAY OF CHAMELA, JALISCO, MEXICO.] *Rev. Soc. Mex. Hist. Nat.* 33. p. 113-122, illus. 1972. [From Biol. Abstr. 59(3), 1975. In Spanish.] *WR 157: 75*
[Univ. Nac. Auton. Mex., Mexico 20, D.F., Mexico]

Schreiber, Ralph W. THE MAINTENANCE ACTIVITIES AND COMMUNICATORY BEHAVIOR OF THE BROWN PELICAN *PELECANUS OCCIDENTALIS*. *Ph. D. thesis, Univ. South Fla.* 154 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 75*

SEABIRDS & THEIR ALLIES--Continued

Shallenberger, R. J., G. C. Whittow, and R. M. Smith. BODY TEMPERATURE OF THE NESTING RED-FOOTED BOOBY *(SULA SULA)*. *Condor* 76(4): 476-478, 2 figs. Winter 1974. *WR 157: 76*
[Univ. Calif., Los Angeles] Courtesy/ Paul A. Stewart.

Southern, William E. FLORIDA DISTRIBUTION OF RING-BILLED GULLS FROM THE GREAT LAKES REGION. *Bird-Banding* 45(4): 341-352, 8 figs. Autumn 1974. *WR 157: 76*
[Northern Ill. Univ., DeKalb] *"Larus delawarensis."*--Courtesy/ Paul A. Stewart.

Southern, William E., and Frank R. Moore. RANGE EXTREMES FOR RING-BILLED GULLS FROM THE GREAT LAKES REGION. *Inland Bird Banding News* 46(3): 83-87, 1 fig. May-June 1974. *WR 157: 76*
[Northern Ill. Univ., Dekalb 60115] *"Larus delawarensis."*--Courtesy/ Paul A. Stewart.

Stedman, Stephen J. SINGULAR BROWN PELICAN FEEDING BEHAVIOR. *Fla. Field Nat.* 2(2): 44-45. Fall 1974. *WR 157: 76*
[1407 East Sixth Court, Panama City, Fla. 32401] *"Pelecanus occidentalis."*

Štollmann, Andrej. ČAJKA ČIERNOHLAVÁ TURECKÁ *(LARUS MELANOCEPHALUS MELANOCEPHALUS* TEMMINCK, 1820*)* ZO SEVERNÉHO SLOVENSKA. [*LARUS MELANOCEPHALUS MELANOCEPHALUS* IN NORTHERN SLOVAKIA.] *Zb. Slov. Nar. Muz.* 16(1): 137-141, 3 figs. 1970. In Slovak with German summ. *WR 157: 76*

Strait, Lawrence E., and Norman F. Sloan. MOVEMENTS AND MORTALITY OF JUVENILE WHITE PELICANS FROM NORTH DAKOTA. *Wilson Bull.* 87(1): 54-59, 1 fig. Mar. 1975. *WR 157: 76*
[Mich. Tech. Univ., Houghton 49931] *"Pelecanus erythrorhynchos."*--Courtesy/ Paul A. Stewart.

Thompson, David Hugh. MECHANISMS LIMITING FOOD DELIVERY BY ADÉLIE PENGUIN PARENTS EXCLUSIVELY TO THEIR GENETIC OFFSPRING. *Ph. D. thesis, Univ. Wis.* 322 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 76*

Van Halewijn, R. NOTES ON SEA BIRDS: 43. KITTIWAKE *RISSA TRIDACTYLA* OFF THE COAST OF SURINAM. *Ardea* 61(3/4): 189. 1973. [From Biol. Abstr. 59(3), 1975.] *WR 157: 76*
[Free Univ., Amsterdam, Netherlands]

Van Halewijn, R. NOTES ON SEA BIRDS: 44. BLACK TERN *CHLIDONIAS NIGER* IN THE SOUTH CARIBBEAN SEA. *Ardea* 61(3/4): 189-191. 1973. [From Biol. Abstr. 59(3), 1975.] *WR 157: 76*
[Free Univ., Amsterdam, Netherlands]

Witt, Hans. AUFFORDERUNG ZUR ZUSAMMENARBEIT ZUM SCHUTZ DER KORALLENMÖWE *(LARUS AUDOUINII)*. [REQUEST FOR COOPERATION IN THE PROTECTION OF AUDOUIN'S GULL *(LARUS AUDOUINII).*] *Ornithol. Mitt.* 26(8): 162. Aug. 1974. In German. *WR 157: 76*
[Adenauerallee 150, D 53 Bonn 1, West Germany]

HAWKS & OWLS

Adolphson, D. G. BIRDS OF PREY BANDING IN SOUTH DAKOTA 1965 TO 1973. *S. Dak. Bird Notes* 26(3): 50-52, illus. Sept. 1974. *WR 157: 76*
[1780 Alcala, College Park, Rio Piedras, Puerto Rico 00921]

Baumgart, Wolfgang, Simeon D. Simeonov, Manfred Zimmermann, Horst Buensche, Petja Baumgart, and Gustav Kuehnast. AN HORSTEN DES UHUS *(BUBO BUBO)* IN BULGARIEN: I. DER UHU IM ISKERDURCHBRUCH (WESTBALKAN) (AVES, STRIGIDAE). [ON OWL *(BUBO BUBO)* NESTS IN BULGARIA: I. THE OWL IN THE ISKER GAP (WEST BALKANS) (AVES, STRIGIDAE).] *Zool. Abh.* (Dresden) 32(14): 203-247, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German. *WR 157: 76*
[Stiftsweg 27, DDR-110 Berlin, East Germany]

Brown, Woodward H. WINTER POPULATION TRENDS IN THE BALD EAGLE. *Am. Birds* 29(1): 12-14, 2 figs. Feb. 1975. *WR 157: 77*
[432 Tonawanda Dr., Des Moines, Iowa 50312] *"Haliaeetus leucocephalus."*

Burden, Donald W. PREY REMAINS OF BARN OWLS IN THE SOUTHERN BAHAMA ISLANDS. *Wilson Bull.* 86(4): 336-343, 1 fig. Dec. 1974. *WR 157: 77*
[La. State Univ., Baton Rouge 70803] Food of barn owls *(Tyto alba)* on the Bahama Islands included more birds than that of barn owls in continental North America.--Courtesy/ Paul A. Stewart.

Burtscher, H., and M. Sibalin. *HERPESVIRUS STRIGIS*: HOST SPECTRUM AND DISTRIBUTION IN INFECTED OWLS. *J. Wildl. Dis.* 11(2): 164-169. Apr. 1975. *WR 157: 77*
[Veterinary Univ. Vienna, A-1030 Vienna, Austria] *"Bubo bubo, Asio otus, Nyctea scandiaca, Athene noctua, Aegolius funereus, Strix aluco, Tyto albo* and *Falco tinnunculus."*

Croft, Robert Earl, and Newton Kingston. *BABESIA MOSHKOVSKII* (SCHURENKOVA, 1938) LAIRD AND LARI, 1957; FROM THE PRAIRIE FALCON, *FALCO MEXICANUS*, IN WYOMING; WITH COMMENTS ON OTHER PARASITES FOUND IN THIS HOST. *J. Wildl. Dis.* 11(2): 229-233, 12 figs. Apr. 1975. *WR 157: 77*
[Northwest Community Coll., Powell, Wyo. 82435]

Duke, G. E., A. A. Jegers, G. Loff, and O. A. Evanson. GASTRIC DIGESTION IN SOME RAPTORS. *Comp. Biochem. Physiol. A Comp. Physiol.* 50(4): 649-656. 1 Apr. 1975. *WR 157: 77*
[Univ. Minn., St. Paul 55101] Seven species of raptors were studied: seven great horned owls, two snowy owls, three red-tailed hawks, one Swainson's hawk, one peregrine falcon, one gyrfalcon and one bald eagle.--From summary.

Dunstan, Thomas C., and James F. Harper. FOOD HABITS OF BALD EAGLES IN NORTH-CENTRAL MINNESOTA. *J. Wildl. Manage.* 39(1): 140-143. Jan. 1975. *WR 157: 77*
[Western Ill. Univ., Macomb 61455] *"Haliaeetus leucocephalus."*

Dunstan, Thomas C., John E. Mathisen, and James F. Harper. THE BIOLOGY OF BALD EAGLES IN MINNESOTA. *Loon* 47(1): 5-10, 1 fig. Spring 1975. *WR 157: 77*
[Western Ill. Univ., Macomb] *"Haliaeetus leucocephalus."*

Eck, Siegfried. UEBER PALAEARKTISCHE WALDOHREULEN, *ASIO OTUS* (AVES, STRIGIDAE). [ON PALEARCTIC LONG-EARED OWLS, *ASIO OTUS* (AVES, STRIGIDAE).] *Zool. Abh.* (Dresden) 32(13): 199-202. 1973. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 77*
[Staatl. Mus. Tierkd., Augustusstr. 2, DDR-801 Dresden, East Germany]

Eck, Siegfried, and Alfred Feiler. *BUTEO LAGOPUS MENZBIERI* BEI WOLMIRSTEDT? (AVES, ACCIPITRIDAE). [*BUTEO LAGOPUS MENZBIERI* NEAR WOLMIRSTEDT? (AVES, ACCIPITRIDAE).] *Zool. Abh.* (Dresden) 32(17): 267-273, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 77*
[Staatl. Mus. Tierkd. Dres., Augustusstr. 2, DDR-801 Dresden, East Germany]

Freitag, Fritz. ZU: ÜBERWINTERUNG DER WALDOHREULE IN EINEM STÄDTISCHEN GEBIET. [ON: OVERWINTERING OF THE LONG-EARED OWL IN AN URBAN AREA.] *Ornithol. Mitt.* 26(9): 185. Sept. 1974. In German. *WR 157: 77*
[Seichofstrasse 4, D 633 Wetzlar, West Germany]

Frey, H., W. Scherzinger, and W. Walter. KÜNSTLICHE NISTPLÄTZE FÜR DEN UHU *(BUBO BUBO)*. [ARTIFICIAL NEST SITES FOR THE EAGLE OWL *(BUBO BUBO)*.] *Ornithol. Mitt.* 26(9): 173-174. Sept. 1974. In German. *WR 157: 77*
[Tierarztliche Hochschule, Linke Bahngasse 11, A 1030 Vienna, Austria]

Fuchs, Edward. BESTAND, BIOTOP UND VERBREITUNG DES ROTMILANS *MILVUS MILVUS* IN DER SCHWEIZ. [STATUS, HABITAT AND DISTRIBUTION OF THE RED KITE *(MILVUS MILVUS)* IN SWITZERLAND.] *Ornithol. Beob.* 67(5/6): 221-230. 1970. In German with English summ. *WR 157: 77*
[Univ. of Basel, Rheinsprung 9, 4051, Basel, Switzerland]

George, William G. DOMESTIC CATS AS PREDATORS AND FACTORS IN WINTER SHORTAGES OF RAPTOR PREY. *Wilson Bull.* 36(4): 384-396. Dec. 1974. *WR 157: 78*
[Southern Ill. Univ., Carbondale 62901] *"Felis catus."*--Courtesy/ Paul A. Stewart.

Graham, David L., C. John Mare, F. Prescott Ward, and Malcolm C. Peckham. INCLUSION BODY DISEASE (HERPESVIRUS INFECTION) OF FALCONS (IBDF). *J. Wildl. Dis.* 11(1): 83-91, 3 figs. Jan. 1975. *WR 157: 78*
[Iowa State Univ., Ames 50010] *"Falco sparvarius."*

Grigg, William N. A PROVEN WAY OF CATCHING ADULT GREAT HORNED OWLS. *Inland Bird Banding News* 47(1): 16-17, 1 fig. Jan.-Feb. 1975. *WR 157: 78*
[745 Pinewood Ave., Rogers City, Mich. 49779] *"Bubo virginianus."*--Courtesy/ Paul A. Stewart.

Herrlinger, Eberhard. DIE WIEDEREINBUERGERGUNG DES UHUS *BUBO BUBO* IN DER BUNDESREPUBLIK DEUTSCHLAND. [THE REINTRODUCTION OF THE EAGLE OWL IN THE FEDERAL REPUBLIC OF GERMANY.] *Bonn. Zool. Monogr.* 4. p. 1-151, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 78*
[Haydnstr. 65, 53 Bonn-Bad Godesberg, West Germany]

Horner, James, Robert Wallace, and David W. Johnston. FOOD OF THE BARN OWL AT GAINESVILLE, FLORIDA. *Fla. Field Nat.* 2(2): 28-31. Fall 1974. *WR 157: 78*
[1941 NW 23 Terrace, Gainesville, Fla. 32611] *"Tyto alba."*

Kazama, Tatsuo. [ON THE DISTRIBUTION AND PROTECTION OF *AQUILA CHRYSAETOS* IN NIIGATA PREFECTURE.] *Misc. Rep. Yamashina's Inst. Ornithol.* 7(1): 104-111, illus. 1973. [From Biol. Abstr. 59(3), 1975. In Japanese with English summ.] *WR 157: 78*
[Aoyama 790, Niigata, Niigata, Japan]

Kenward, R. E. MORTALITY AND FATE OF TRAINED BIRDS OF PREY. *J. Wildl. Manage* 38(4): 751-756. Oct. 1974. *WR 157: 58*
[Univ. Oxford, England OX1 3PS] Abstract: From 113 questionnaire returns, the 1st year mortality in captivity of birds of prey taken from the nest and kept by falconers was estimated at 22 percent for 39 peregrines *(Falco peregrinus)*, 11 percent for 89 kestrels *(Falco tinnunculus)*, 26 percent for 71 goshawks *(Accipiter gentilis)*, and 53 percent for 36 sparrowhawks *(Accipiter nisus)*. The mortality of 14 trapped immature kestrels and 38 trapped immature goshawks did not differ significantly from this. Between 80 percent and 93 percent of trained falcons and between 50 percent and 67 percent of trained hawks were later lost or released.

Kessler, Edwin. SOARING VULTURES USE A DUST DEVIL TO GAIN ALTITUDE. *Wilson Bull.* 87(1): 113-114. Mar. 1974. *WR 157: 78*
[Natl. Severe Storms Lab., NOAA, 1313 Halley Circle, Norman, Okla. 73069] *"Cathartes aura."*--Courtesy/ Paul A. Stewart.

König, Heinz. WEITERE BRUTNACHWEISE DES RAUHFUSSKAUZES *(AEGOLIUS FUNEREUS)* IN WITTGENSTEIN. [FURTHER PROOFS OF BREEDING OF THE BOREAL OWL *(AEGOLIUS FUNEREUS)* IN WITTGENSTEIN.] *Anthus* 10(3/4): 82-83. 1973. In German. *WR 157: 78*
[Bohnhofstr. 1, 5927 Erndtebrück, West Germany]

Laybourne, Roxie C. COLLISION BETWEEN A VULTURE AND AN AIRCRAFT AT AN ALTITUDE OF 37,000 FEET. *Wilson Bull.* 86(4): 461-462. Dec. 1974. *WR 157: 78*
[Natl. Mus. Nat. Hist., Washington, D. C. 20560] *"Gyps rueppellii."*--Courtesy/ Paul A. Stewart.

Lewis, James C. FOOD HABITS OF FLORIDA BURROWING OWLS. *Fla. Field Nat.* 1(2): 28-30. Fall 1973. *WR 157: 78*
[Okla. Coop. Wildl. Res. Unit, Stillwater] *"Speotyto cunicularia floridana."*

Maestrelli, John R., and Stanley N. Wiemeyer. BREEDING BALD EAGLES IN CAPTIVITY. *Wilson bull.* 87(1): 45-53, 2 figs. Mar. 1975. *WR 157: 79*
[U.S. Fish & Wildl. Serv., 300 Booth St., Reno, Nev. 89502] *"Haliaeetus leucocephalus."*--Courtesy/ Paul A. Stewart.

Mossman, Mike. SPREAD-WING POSTURING IN THE TURKEY VULTURE. *Passenger Pigeon* 36(4): 117. Winter 1974. *WR 157: 79*
[308 S. Dickenson Street, Madison, Wis. 53703]

Nesbitt, Stephen A. FOODS OF THE OSPREY AT NEWNANS LAKE. *Fla. Field Nat.* 2(2): 45. Fall 1974. *WR 157: 79*
[Fla. Game & Fresh Water Fish Commission, Gainesville 32601] *"Pandion haliaetus."*

Ogden, John C. ASPECTS OF RED-SHOULDERED HAWK NESTING IN SOUTHERN FLORIDA. *Fla. Field Nat.* 2(2): 25-27. Fall 1974. *WR 157: 79*
[Natl. Audubon Soc., 115 Indian Mound Trail, Tavernier, Fla. 33070] *"Buteo lineatus extimus."*

Olendorff, Richard R. SOME QUANTITATIVE ASPECTS OF GROWTH IN THREE SPECIES OF BUTEOS. *Condor* 76(4): 466-468, 3 figs. Winter 1974. *WR 157: 79*
[Bureau Land Management, 18th & C Streets, N.W., Washington, D. C. 20240] *"Buteo jamaicensis, B. regalis* and *B. swainsoni."*--Courtesy/ Paul A. Stewart.

Pearson, G. L., D. A. Pass, and E. C. Beggs. FATAL POX INFECTION IN A ROUGH-LEGGED HAWK. *J. Wildl. Dis.* 11(2): 224-228, 2 figs. Apr. 1975. *WR 157: 79*
[Northern Prairie Wildl. Res. Cent., Jamestown, N. Dak.] *"Buteo lagopus."*

Ramirez-Pulido, Jose, and Cornelio Sanchez-Hernandez. REGURGITACIONES DE LUCHUZA, PROCEDENTES DE LA CUEVA DEL CANON DEL ZOPILOTE, GUERRERO, MEXICO. [REGURGITATED MASSES (PELLETS) ORIGINATING FROM THE CAVE OF THE CANYON OF THE VULTURE, GUERRERO, MEXICO.] *Rev. Soc. Mex. Hist. Nat.* 33. p. 107-112. 1972. [From Biol. Abstr. 59(3), 1975. In Spanish.] *WR 157: 79*
[Univ. Nac. Auton. Mex., Mexico 20 D.F., Mexico] *"Tyto alba* pellets."

Reese, Jan G. OSPREY NEST SUCCESS IN EASTERN BAY, MARYLAND. *Chesapeake Sci.* 16(1): 56-61. Mar. 1975. *WR 157: 79*
[St. Michaels, Md. 21663] *"Pandion haliaetus."*

Renssen, T. A. SOCIAL ROOSTING OF *CIRCUS BUFFONI* IN SURINAM. *Ardea* 61(3/4): 188. 1973. [From Biol. Abstr. 59(3), 1975.] *WR 157: 79*
[Rijksinst. Natuurbeheer, Arnhem, Netherlands]

Scherzinger, Wolfgang. DIE JUGENDENTWICKLUNG DES UHUS *(BUBO BUBO)* MIT VERGLEICHEN ZU DER VON SCHNEEEULE *(NYCTEA SCANDIACA)* UND SUMPFOHREULE *(ASIO FLAMMEUS).* [THE JUVENILE DEVELOPMENT OF THE OWL *(BUBO BUBO)* COMPARED WITH THAT OF *NYCTEA SCANDIACA* AND THE SHORTEARED OWL *(ASIO FLAMMEUS).* *Bonn. Zool. Beitr.* 25(1-3): 123-147, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 79*
[Nationalpark Bayer, Wald, 8351 Waldhaeuser 128, West Germany]

Scherzinger, Wolfgang. ZUR ETHOLOGIE UND JUGENDENTWICKLUNG DER SCHNEEEULE *(NYCTEA SCANDIACA)* NACH BEOBACHTUNGEN IN GEFANGENSCHAFT. [ETHOLOGY AND ONTOGENETIC DEVELOPMENT OF CAGED SNOWY OWLS *(NYCTEA SCANDIACA).*] *J. Ornithol.* 115(1): 8-49, illus. 1974. [From Biol. Abstr. 59(2), 1975. In German with English summ.] *WR 157: 79*
[Nationalpark Bayer, Wald, 8351 Waldhaeuser 128, West Germany]

Schmutz, Josef K., and Sheila M. Schmutz. PRIMARY MOLT IN *CIRCUS CYANEUS* IN RELATION TO NEST BROOD EVENTS. *Auk* 92(1): 105-110, 4 figs. Jan. 1975. *WR 157: 79*
[R.R. 5, Edmonton, Alberta, Canada T5P 4B7] Courtesy/ Paul A. Stewart.

Sexton, Owen J. BLACK VULTURES FEEDING ON IGUANA EGGS IN PANAMA. *Am. Midl. Nat.* 93(2): 463-468. Apr. 1975. *WR 157: 80*
[Washington Univ., St. Louis, Mo. 63130] *"Coragyps atratus."*

Sileo, L., H. C. Carlson, and S. C. Crumley. INCLUSION BODY DISEASE IN A GREAT HORNED OWL. *J. Wildl. Dis.* 11(1): 92-96, 4 figs. Jan. 1975. *WR 157: 80*
[Univ. Guelph, Guelph, Ontario, Canada. N1G 2W1] *"Bubo virginianus."*

Tyrner, Pavel, and Zdenek Barta. KLEINSAEUGER ALS NAHRUNG DER SCHLEIEREULE *(TYTO ALBA GUTTATA* BREHM) IN NORDWESTBOEHMEN. [SMALL MAMMALS AS PREY OF THE BARN OWL *(TYTO ALBA GUTTATA* BREHM) IN NORTHWESTERN BOHEMIA.] *Zool. Abh.* (Dresden) 32(2): 5-16, illus. 1971(1973). [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 80*
[Okresni Mus., Litvinov I, Czechoslovakia]

Wiley, James W. RELATIONSHIPS OF NESTING HAWKS WITH GREAT HORNED OWLS. *Auk* 92(1): 157-159. Jan. 1975. *WR 157: 80*
[Dep. Nat. Res., P.O. Box 5887, Puerta de Tierra, Puerto Rico 00906] Courtesy/ Paul A. Stewart.

Wobeser, G., and J. R. Saunders. PULMONARY OXALOSIS IN ASSOCIATION WITH ASPERGILLUS NIGER INFECTION IN A GREAT HORNED OWL *(BUBO VIRGINIANUS). Avian Dis.* 19(2): 388-392, 6 figs. Apr.-June 1975. *WR 157: 80*
[Univ. Saskatchewan, Saskatoon, Saskatchewan, Canada S7N 0W0]

BLACKBIRDS, STARLINGS, CROWS

Beasley, Larry E., and Steven W. Carothers. UNUSUAL FEEDING HABITS IN TWO SPECIES OF BLACKBIRDS. *Wilson Bull.* 86(4): 478-479. Dec. 1974. *WR 157: 80*
[Univ. Ill., Urbana 61801] *"Agelaius phoeniceus* and *Euphagus cyanocephalus."*--Courtesy/ Paul A. Stewart.

Bettmann, Helmut. 1973 WIEDER GROSSTRAPPEN *(OTIS TARDA)* AM NIEDERRHEIN. [GREAT BUSTARDS *(OTIS TARDA)* ON THE LOWER RHINE AGAIN IN 1973.] *Ornithol. Mitt.* 26(8): 151. Aug. 1974. In German. *WR 157: 80*
[Pestalozzistrasse 6, D 407 Rheydt, West Germany]

Bleed, Ann Salomon. TERRITORIAL COMPOSITION AND THE TACTICS OF THE MALE RED-WINGED BLACKBIRD *(AGELAIUS PHOENICEUS). Ph. D. thesis, Univ. Wis.* (Madison). 94 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 80*

Buck, Owen D., C. Lawrence Cooper, and John L. Crites. HELMINTH PARASITES OF THE COMMON GRACKLE *(QUISCALUS QUISCULA VERSICOLOR)* IN CENTRAL OHIO. *J. Parasitol.* 61(2): 380. Apr. 1975. *WR 157: 80*
[Ohio State Univ., Columbus 43210]

Coleman, J. D. BREAKDOWN RATES OF FOODS INGESTED BY STARLINGS. *J. Wildl. Manage.* 38(4): 910-912, 1 fig. Oct. 1974. *WR 157: 80*
[Forest & Range Exp. Stn., P. O. Box 106, Rangiora, New Zealand] *"Sturnus vulgaris."*

Cooper, C. Lawrence, and John L. Crites. HELMINTH PARASITES OF THE STARLING *(STURNUS VULGARIS* L.) FROM SOUTH BASS ISLAND, OHIO. *J. Parasitol.* 61(1): 161. Feb. 1975. *WR 157: 80*
[Ohio State Univ., Columbus 43210]

Flanigan, Annette B. SCALY-LEG (KNEMIDOKOPTIASIS) INFECTED RED-WINGED BLACKBIRD BANDED IN OHIO. *Inland Bird Banding News* 47(3): 112-113. May-June 1975. *WR 157: 80*
[Smith Road, Waite Hill, Willoughby, Ohio 44094] Courtesy/ Paul A. Stewart.

Holcomb, Larry C. INCUBATION CONSTANCY IN THE RED-WINGED BLACKBIRD. *Wilson Bull.* 86(4): 450-460, 2 figs. Dec. 1974. *WR 157: 81*
[P.O. Box 24, Mogadiscio, Somali Democratic Republic] *"Agelaius phoeniceus."*--Courtesy/ Paul A. Stewart.

Imboden, Christoph. BESTAND, VERBREITUNG UND BIOTOP DES KIEBITZ *VANELLUS VANELLUS* IN DER SCHWEIZ. [STATUS, DISTRIBUTION AND HABITAT OF THE COMMON LAPWING IN SWITZERLAND.] *Ornithol. Beob.* 68(2): 37-53, 4 figs. 1971. In German with English summ. *WR 157: 81*
[Swiss Ornithological Station, 6204 Sempach, Switzerland]

Laporte, Pierre. COMMON GRACKLE KILLS A BARN SWALLOW. *Wilson Bull.* 86(4): 477-478. Dec. 1974. *WR 157: 81*
[6530 Wilderton, Apt. 30, Montreal, Quebec, Canada, H3S 2L5] *"Hirundo rustica* and *Quiscalus quiscula."*--Courtesy/ Paul A. Stewart.

Long, Charles A., and Charles Alan Long. OBSERVATIONS ON FORAGING OF THE COMMON GRACKLE AND ADAPTIVE INCAPACITATION OF CRAYFISH. *Passenger Pigeon* 36(4): 170-173. Winter 1974. *WR 157: 81*
[Univ. Wis., Stevens Point 54481] *"Quiscalus quiscula."*

Matzke, Günter, and Helmut Linke. WINTERBEOBACHTUNGEN DER MONCHSGRASMUCKE *(SYLVIA ANTRICAPILLA)* IN BONN. [WINTER OBSERVATIONS OF THE BLACKCAP *(SYLVIA ATRICAPILLA)* IN BONN.] *Ornithol. Mitt.* 26(5): 102. May 1974. In German. *WR 157: 81*
[Erftweg 44, D 53 Bonn, West Germany]

Pfeifer, Sebastian. ZUR INVASION UND ERNÄHRUNGBIOLOGIE DES BIRKENZEISIGS *(CARDUELIS FLAMMEA FLAMMEA)* IM HERBST 1972 UND WINTER 1972/73. [ON THE INVASION AND NUTRITIONAL BIOLOGY OF THE COMMON REDPOLL *(CARDUELIS FLAMMEA FLAMMEA)* IN THE FALL OF 1972 AND WINTER OF 1972/73.] *Ornithol. Mitt.* 26(8): 159-160. Aug. 1974. In German. *WR 157: 81*
[Steinauer Strasse 33, D 6 Frankfurt/Main, West Germany]

Picozzi, N. CROW PREDATION ON MARKED NESTS. *J. Wildl. Manage.* 39(1): 151-155, 5 figs. Jan. 1975. *WR 157: 81*
[Inst. Terrestrial Ecol., Banchory, Scotland] *"Corvus corone."*

Radermacher, Wilhelm. KOPFÜBERHANGENDE RABENKRÄHE *(CORVUS CORONE)*. [UPSIDE-DOWN HOODED CROW *(CORVUS CORONE).*] *Ornithol. Mitt.* 26(9): 182. Sept. 1974. In German. *WR 157: 81*
[Meisenbach 4, D 5206 Neunkirchen-Seelscheid 2, West Germany]

Radermacher, Wilhelm. ZUM BEUTETRANSPORT DER RABENKRÄHE *(CORVUS CORONE)* MIT DEN FÜSSEN. [ON PREY TRANSPORT BY THE FEET OF THE HOODED CROW *(CORVUS CORONE).*] *Ornithol. Mitt.* 26(9): 182. Sept. 1974. In German. *WR 157: 81*
[Meisenbach 4, D 5206 Neunkirchen-Seelscheid 2, West Germany]

Rossbach, Rudolf. WEITERE ERFAHRUNGEN MIT DER ELEKTROAKUSTISCHEN METHODE BEI DER VERTREIBUNG VON STAREN--*STURNUS VULGARIS*--AUS IHREN SCHLAFPLAETZEN. [FURTHER EXPERIENCES WITH THE ELECTROACOUSTIC METHOD OF DRIVING STARLINGS--*STURNUS VULGARIS*--FROM THEIR SLEEPING AREA.] *Emberiza* 2(3): 176-179. 1973. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 81*
[Steinauerstr. 44, 6 Frankfurt/Main 61, West Germany]

Strelitzer, Carl L. STARLING LONGEVITY RECORD? *Inland Bird Banding News* 47(1): 19. Feb. 1975. *WR 157: 81*
[3266 S. 91st Street, Milwaukee, Wis. 53227] "Seventeen years."--Courtesy/ Paul A. Stewart

Thiede, Ulrike, and Walther Thiede. DIE DRESSUR VON BUNTMEISEN *(PARUS VARIUS)* IN JAPAN. [THE TRAINING OF THE VARIED TIT *(PARUS VARIUS)* IN JAPAN.] *Ornithol. Mitt.* 26(11): 217-220, illus. Nov. 1974. In German. *WR 157: 82*
[Schellstr. 20, D 43 Essen 1, West Germany]

Wiens, John A., and Melvin I. Dyer. SIMULATION MODELLING OF RED-WINGED BLACKBIRD IMPACT ON GRAIN CROPS. *J. Appl. Ecol.* 12(1): 63-82, 10 figs. Apr. 1975. *WR 157: 82*
[Oreg. State Univ., Corvallis 97331]

Wilson, Randall C. AN ASSESSMENT OF CROW CONTROL TECHNIQUES IN PECAN ORCHARDS IN LOUISIANA. *M.S. thesis, La. State Univ.* 84 p. 1974. *WR 157: 82*
Courtesy/ Mary L. Spohrer.

OTHER BIRDS

Anderson, Kathleen S. FIRST MASSACHUSETTS SPECIMEN OF LE CONTE'S SPARROW. *Auk* 92(1): 145. Jan. 1975. *WR 157: 82*
[Manomet Bird Observatory, Manomet, Mass. 02345] *"Ammospiza leconteii."*--Courtesy/ Paul A. Stewart.

Blake, Emmet R., and Peter Hocking. TWO NEW SPECIES OF TANAGER FROM PERU. *Wilson Bull.* 86(4): 321-324 + 1 pl. Dec. 1974. *WR 157: 82*
[Field Mus. Nat. Hist., Chicago, Ill. 60605] *"Hemispingus rufosuperciliaris* and *Buthraupis aureodorsalis."*--Courtesy/ Paul A. Stewart.

Brand, Dick J. G., and Norman D. Van Swelm. WAARNEMING VAN EEN ROTSKRUIPER *TICHODROMA MURARIA* IN DE WESTLANDSE DUINEN, EEN NIEUWE SOORT VOOR NEDERLAND. [OBSERVATION OF A WALL CREEPER, *TICHODROMA MURARIA,* IN THE WESTLAND DUNES, A NEW SPECIES FOR THE NETHERLANDS.] *Limosa* 47(1/2): 53-54. 1974. [From Biol. Abstr. 59(2), 1975. In Dutch with English summ.] *WR 157: 82*
[Soestdijksekade 729, Den Haag, Netherlands]

Bruning, Donald Francis. SOCIAL STRUCTURE AND REPRODUCTIVE BEHAVIOR IN THE ARGENTINE GRAY RHEA *(RHEA AMERICANA ALBESCENS).* *Ph. D. thesis, Univ. Colo.* 173 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 82*

Carleton, Alison Rand, and Oscar T. Owre. THE RED-WHISKERED BULBUL IN FLORIDA: 1960-71. *Auk* 92(1): 40-57, 4 figs. Jan. 1975. *WR 157: 82*
[6759 N. Kendall Dr., Miami, Fla. 33156] Roosting, population increase, food, reproduction, molt, and predators of *Pycnonotus jocosus.*--Courtesy/ Paul A. Stewart.

Cheng, Tso-Hsing, Shih-Yu Lo, and Tien-Ju Chao. [A NEW THREE-TOED PARROT-BILL FROM TSINLING RANGE, SHENSI, CHINA.] *Acta Zool. Sin.* 19(1): 48-50. 1973. [From Biol. Abstr. 59(2), 1975. In Chinese with English summ.] *WR 157: 82*
[Acad. Sin., Peking, China] *"Paradoxornis paradoxus taipaiensis."*

Dornbusch, Max. ALBINO DES TRAUERSCHNAEPPERS, *FICEDULA HYPOLEUCA.* [AN ALBINOPIED FLYCATCHER, *FICEDULA HYPOLEUCA.*] *Beitr. Vogelkd.* 19(6): 467-470, illus. 1973. [From Biol. Abstr. 59(2), 1975. In German.] *WR 157: 82*
[3401 Steckby (Elbe), East Germany]

Eck, Siegfried. EIN WUERGER-BASTARD IM ELBTAL BEI PIRNA. [A SHRIKE HYBRID IN THE ELBE VALLEY NEAR PIRNA.] *Zool. Abh.* (Dresden) 32(1): 1-4, illus. 1971. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 82*
[Staatl. Mus. Tierkd., Augustusstr. 2, DDR-801 Dresden, East Germany] *"Lanius cristatus* x *L. minor."*

Emmrich, R. ZUR NAHRUNG UND ERNAEHRUNGSBIOLOGIE DES SPROSSERS *(LUSCINIA LUSCINIA* L.*)*. [ON THE FOOD AND NUTRITIONAL BIOLOGY OF THE THRUSH NIGHTINGALE *(LUSCINIA LUSCINIA* L.*)*. *Zool. Abh.* (Dresden) 32(5): 57-67, illus. 1971(1973). [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 83*
[Mus. Tierkd., Augustusstr. 2, DDR-801 Dresden, East Germany]

Endes, Mihaly. ADATOK A SZEKIPACSIRTA [*CALANDRELLA BRACHYDACTYLA* (LEISL.)] EITERJEDEST ES OKOLOGIAI VISZONYAIHOZ. [CONTRIBUTIONS TO THE KNOWLEDGE OF THE DISTRIBUTION AND ECOLOGY OF THE SHORT-TOED LARK, *CALANDRELLA BRACHYDACTYLA* (LEISL.).] *Acta Biol. Debrecina* 10/11: 143-150, illus. 1972/1973. [From Biol. Abstr. 59(3), 1975. In Hungarian with German summ.] *WR 157: 83*
[Thomas M. u. l., 4028 Debrecen, Hungary]

Fisk, Erma J. WINTERING POPULATIONS OF PAINTED BUNTINGS IN SOUTHERN FLORIDA. *Bird-Banding* 45(4): 353-359. Autumn 1974. *WR 157: 83*
[17101 S.W. 284th St., Homestead, Fla. 33030] Migration, plumages, molt, feeding behavior, abnormalities, mobility, sex ratio, age ratio, recoveries, and longevity of *Passerina ciris* are discussed.--Courtesy/ Paul A. Stewart.

Frädrich, Hans. EINIGE BEMERKUNGEN ÜBER DEN ANOA *BUBALUS (ANOA) DEPRESSICORNIS*. [SOME COMMENTS ON THE ANOA, *BUBALUS (ANOA) DEPRESSICORNIS*.] *Z. Kölner Zoo*. 16(3): 101-105. 1973. In German with English summ. *WR 157: 83*
[Berlin Zoo, 1 Berlin 30, West Germany]

Harcus, John Leslie. SONG STUDIES IN THE BREEDING BIOLOGY OF THE CATBIRD, *DUMETELLA CAROLINENSIS* (AVES: MIMIDAE). *Ph. D. thesis, Univ. Toronto*. 1973. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975. To obtain a microfiche copy, order directly from the National Library of Canada at Ottawa.] *WR 157: 83*

Kumerloeve, H. ZUM STATUS DER GIRLITZ-BESIEDLUNG *(SERINUS SERINUS)* IM WEST-DEUTSCHEN GRENZRAUM (FRÜHJAHR 1973.) [ON THE STATUS OF THE SERIN *(SERINUS SERINUS)* COLONY IN THE WEST GERMAN BORDER AREA.] *Ornithol. Mitt.* 26(11): 225-229. Nov. 1974. In German. *WR 157: 83*
[Hubert-Reissner-Strasse 7, D 8032 Münich-Gräfelfing, West Germany]

Ligon, J. David. COMMENTS ON THE SYSTEMATIC RELATIONSHIPS OF THE PIÑON JAY *(GYMNORHINUS CYANOCEPHALUS)*. *Condor* 76(4): 468-470. Winter 1974. *WR 157: 83*
[Univ. N. Mex., Albuquerque 87131] Courtesy/ Paul A. Stewart.

Olson, Storrs L. *ICHTHYORNIS* IN THE CRETACEOUS OF ALABAMA. *Wilson Bull.* 87(1): 103-105, 1 fig. Mar. 1975. *WR 157: 83*
[Natl. Mus. Nat. Hist., Washington, D. C. 20560] Courtesy/ Paul A. Stewart.

Parkes, Kenneth C. SYSTEMATICS OF THE WHITE-THROATED TOWHEE *(PIPILO ALBICOLLIS)*. *Condor*. 76(4): 457-459. Winter 1974. *WR 157: 83*
[Carnegie Mus., Pittsburgh, Pa. 15213] Courtesy/ Paul A. Stewart.

Peklo, A. M. [A NEW FLIGHT OF SIBERIAN NUTCRACKERS, *NUCIFRAGA CARYOCATACTES MACRORHYNCHOS* BREHM, INTO THE KUBAN.] *Vestn. Zool.* 1. p. 82. 1974. [From Biol. Abstr. 59(2), 1975. In Russian.] *WR 157: 83*
[Kuban State Univ., Krasnodar, USSR]

Radabaugh, Bruce E. KIRTLAND'S WARBLER AND ITS BAHAMA WINTERING GROUNDS. *Wilson Bull.* 86(4): 374-383. Dec. 1974. *WR 157: 83*
[28 State St., Hillsdale, Mich. 49242] *"Dendroica kirtlandii."*--Courtesy/ Paul A. Stewart.

Reichholf, Josef. BIOTOPWAHL UND SCHWARMGROESSEN BEI DEN NEOTROPISCHEN KUCH-KUCHSVOEGELN *CROTOPHAGA ANI* L. UND *GUIRA GUIRA* (GMEL.) [HABITAT SELECTION AND FLOCK SIZES IN THE NEOTROPICAL CUCKOOS *CROTOPHAGA ANI* L. AND *GUIRA GUIRA* (GMEL.).] *Bonn. Zool. Beitr.* 25(1-3): 118-122, 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157:83*
[Zool. Sammlung Bayerischen Staates, Maria-Ward Str. 1b, 8 Münich 19, West Germany]

Saemann, Dieter. DER GEGENWAERTIGE STAND DER URBANISIERUNG DER WACHOLDER-DROSSEL, *TURDUS PILARIS* L., IN EINER SAECHSISCHEN GROSSSTADT. [THE PRESENT STATE OF THE URBANIZATION OF THE FIELDFARE, *TURDUS PILARIS* L., IN A LARGE CITY IN SAXONY.] *Beitr. Vogelkd.* 20(1/2): 12-41, illus. 1974. [From Biol. Abstr. 59(2), 1975. In German.] *WR 157: 84*
[Mus., Schloss, 9382 Augustusburg, East Germany]

Sauer, E. G. Franz. ZUR BIOLOGIE DER WILDEN STRAUSSE SÜDWESTAFRIKAS. [ON THE BIOLOGY OF THE WILD OSTRICHES OF SOUTH-WEST AFRICA.] *Z. Kölner Zoo* 14(2): 43-64, illus. 1971. In German with English summ. *WR 157: 84*
[Zoological Research Institute & Alexander Koenig Museum, Adenaueralle 150-164, 53 Bonn 1, West Germany] *"Struthio camelus."*

Schmidt, Egon. QUANTITATIVE DATEN DES HAUSSPERLINGS *(PASSER DOMESTICUS)* AUS UNGARISCHEN SCHEIEREULENGEWOELLEN (AVES, PASSERINAE). [QUANTITATIVE DATA ON THE HOUSE SPARROW *(PASSER DOMESTICUS)* FROM HUNGARIAN BARN OWL PELLETS (AVES, PASSERINAE).] *Zool. Abh.* (Dresden) 32(11): 171-174, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 84*
[Madartani Intez., Kolto ut. 21, Budapest XII, Hungary]

Schmitt, Gregory, and John P. Hubbard. EASTERN KINGBIRD IN PARAGUAY. *Wilson Bull.* 86(4): 466. Dec. 1974. *WR 157: 84*
[P. O. Box 97, Kirtland, N. Mex. 87417] *"Tyrannus tyrannus."*--Courtesy/ Paul A. Stewart.

Schnell, Gary D., John S. Weske, and Jenna J. Hellack. RECENT OBSERVATIONS OF THICK-BILLED PARROTS IN JALISCO. *Wilson Bull.* 86(4): 464-465. Dec. 1974. *WR 157: 84*
[Univ. Okla., Norman 73069] *"Rhynchopsitta pachyrhyncha."*--Courtesy/ Paul A. Stewart.

Sick, Helmut. NOVA CONTRIBUICAO AO CONHECIMENTO DE *CINCLODES PABSTI* SICK, 1969 (FURNARIIDAE, AVES). [A NEW CONTRIBUTION TO THE STUDY OF *CINCLODES PABSTI* SICK, 1969 (FURNARIIDAE, AVES).] *Rev. Bras. Biol.* 33(1): 109-117, illus. 1973. [From Biol. Abstr. 59(3), 1975. In Portuguese with English summ.] *WR 157: 84*
[Mus. Nac., Quinta da Boa Vista, Rio de Janeiro, Guanabara, Brazil]

Soares, A. A. SOBRE *CAPRIMULGUS EUROPAEUS* L. E *C. RUFICOLLIS* TEMM. EM PORTUGAL (AVES, CAPRIMULGIFORMES). [ON *CAPRIMULGUS EUROPAEUS* L. AND *C. RUFICOLLIS* TEMM. IN PORTUGAL (AVES, CAPRIMULGIFORMES).] *Arq. Mus. Bocage* 4(9): 213-232, illus. 1973. [From Biol. Abstr. 59(3), 1975. In Portuguese with English summ.] *WR 157: 84*
[Mus. Bocage, Lisbon, Portugal]

Somadikarta, S. THE WHITE-BREASTED KINGFISHER *HALCYON SMYRNENSIS* IN JAVA. *Ardea* 61(3/4): 186-187. 1973. [From Biol. Abstr. 59(3), 1975.] *WR 157: 84*
[Mus. Zool. Bogoriense, Bogor, Indonesia]

Staav, Roland. HOKSANGAREN I STOCKHOLMS SKARGARD, INVANDRINGSHISTORIA OCH UTBREDNING. [THE BARRED WARBLER *(SYLVIA NISORIA)* IN THE ARCHIPELAGO OF STOCKHOLM, IMMIGRATION AND PRESENT DISTRIBUTION.] *Fauna Flora* 67(6): 254-260, illus. 1972. [From Biol. Abstr. 59(3), 1975. In Swedish with English summ.] *WR 157: 84*
[Hornsgatan 47, S-116 49 Stockholm, Sweden]

Thaler, Ellen. ZUM VERHALTEN UEBERWINTERNDER GOLDHAEHNCHEN *(REGULUS R. REGULUS* (L.)) IN DER UMGEBUNG INNSBRUCKS (NORDTIROL: OESTERREICH). [ON THE BEHAVIOR OF WINTERING GOLDCRESTS *(REGULUS REGULUS REGULUS* (L.)) IN THE REGION OF INNSBRUCK (NORTH TIROL, AUSTRIA).] *Ber. Naturwiss.-Med. Ver. Innsb.* 60. p. 167-182, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 84*
[Univ. Innsbruck, A-6020 Innsbruck, Austria]

OTHER BIRDS--Continued

Van Swelm, Norman D., and Dick J. G. Brand. VOORJAARSWAARNEMING VAN EEN NOORDSE BOSZANGER *PHYLLOSCOPUS BOREALIS* IN DE WESTLANDSE DUINEN. [SPRING OBSERVATION OF AN ARCTIC WARBLER, *PHYLLOSCOPUS BOREALIS*, IN THE WESTLAND DUNES AREA.] *Limosa* 47(1/2): 29-32, illus. 1974. [From Biol. Abstr. 59(2), 1975. In Dutch with English summ.] *WR 157: 85*
[Woudenbergstr. 125, Den Haag, Netherlands]

Williams, Joseph B. HABITAT UTILIZATION BY FOUR SPECIES OF WOODPECKERS IN A CENTRAL ILLINOIS WOODLAND. *Am. Midl. Nat.* 93(2): 354-367, 3 figs. Apr. 1975. *WR 157: 85*
[Univ. Ill., Urbana 61801] *"Melanerpes erythrocephalus, Dendrocopus pubescens, Centurus carolinus,* and *Sphyrapicus varius."*

REPTILES & AMPHIBIANS--GENERAL

Holman, J. Alan. A LATE PLEISTOCENE HERPETOFAUNA FROM SOUTHWESTERN MISSOURI. *J. Herpetol.* 8(4): 343-346, 1 fig. Oct. 1974. *WR 157: 85*
[Mich. State Univ., East Lansing 48824]

McKinstry, Donald M. NOTES ON THE HERPETOLOGY OF PRESQUE ISLE STATE PARK, ERIE, PENNSYLVANIA. *Bull. Md. Herpetol. Soc.* 11(1): 21-26, 4 figs. Mar. 1975. *WR 157: 85*

Mitchell, Joseph C. FROGS AND TOADS OF VIRGINIA. *Va. Wildl.* 36(4): 13-15, 24, 27, illus. Apr. 1975. *WR 157: 85*
[Ariz. State Univ., Tempe] Data on 26 spp.

Moore, Frank L., Deborah Keammerer, and Hobart M. Smith. SYMBIOTIC RELATIONSHIPS BETWEEN EPIZOOPHYTES AND HERPETOFAUNA. *Bull. Phila. Herpetol. Soc.* 22: 17-26. 1974. *WR 157: 85*
[Univ. Colo., Boulder 80302]

Smith, Hobart M. A CASE FOR FIELD NOTES FROM LIFE. *Bull. Md. Herpetol. Soc.* 11(1): 8-13. Mar. 1975. *WR 157: 85*
[Univ. Colo., Boulder 80302] "In summary, all herpetologists--professional and amateur alike--face a golden opportunity for valuable contribution to their field by refocussing their attention from the hitherto much-too-common, strictly collecting aspects to the almost limitlessly fruitful aspects of behavior, color and population structure as observed in life in nature."

Smith, Hobart M., and Kenneth R. Larsen. THE GENDER OF GENERIC NAMES ENDING IN *-OPS*. *J. Herpetol.* 8(4): 375. Oct. 1974. *WR 157: 85*
[Univ. Colo., Boulder 80302]

REPTILES

Andrews, Robin, and A. Stanley Rand. REPRODUCTIVE EFFORT IN ANOLINE LIZARDS. *Ecology* 55(6): 1317-1327, 4 figs. Autumn 1974. *WR 157: 85*
[Colo. State Univ., Fort Collins 80521] Explanations are suggested for the fact that anoline lizards lay only one egg per clutch.--Courtesy/ Paul A. Stewart.

Auffenberg, Walter. CHECKLIST OF FOSSIL LAND TORTOISES (TESTUDINIDAE). *Bull. Fla. State Mus. Biol. Sci.* 18(3): 120-251, [15] figs. 30 Sept. 1974. Price $5.25. *WR 157: 85*
[Univ. Fla., Gainesville 32611]

Barone, Milo C., and Felix A. Jacques. THE EFFECTS OF INDUCED COLD TORPOR AND TIME OF YEAR ON BLOOD COAGULATION IN *PSEUDEMYS SCRIPTA ELEGANS* AND *CHRYSEMYS PICTA BELLI*. *Comp. Biochem. Physiol. A Comp. Physiol.* 50(4): 717-721, 4 figs. 1 Apr. 1975. *WR 157: 85*
[Fairfield Univ., Fairfield, Conn. 06430]

Bone, Leon W. *EIMERIA PSEUDEMYDIS* LAINSON, 1968, FROM THE RED-EARED TURTLE, *PSEUDEMYS SCRIPTA ELEGANS*, IN ARKANSAS. *J. Wildl. Dis.* 11(2): 290-291, 1 fig. Apr. 1975. *WR 157: 86*
[Univ. Ark., Fayetteville 72701]

Bothman, Richard C. SOME OBSERVATIONS ON THE FEEDING HABITS OF THE COTTONMOUTH IN SOUTHEASTERN GEORGIA. *J. Herpetol.* 8(3): 257-258. July 1974. *WR 157: 86*
[St. Bonaventure Univ., St. Bonaventure, N.Y. 14778]

Bourne, A. R., and R. F. Seamark. SEASONAL CHANGES IN 17 B-HYDROXYSTEROIDS IN THE PLASMA OF A MALE LIZARD *(TILIQUA RUGOSA). Comp. Biochem. Physiol. B Comp. Biochem.* 50(4): 535-536, 1 fig. 15 Apr. 1975. *WR 157: 86*
[Monash Univ., Clayton, Victoria 3168, Australia]

Branch, William R., and Rod W. Patterson. NOTES ON THE DEVELOPMENT OF EMBRYOS OF THE AFRICAN ROCK PYTHON, *PYTHON SEBAE* (SERPENTES: BOIDAE). *J. Herpetol.* 9(2): 243-248, 3 figs. Apr. 1975. *WR 157: 86*
[Atomic Energy Board, P. O. Box 2034, Pretoria, Transvaal, South Africa]

Broadley, Donald G. A PUZZLING CASE OF OPHIOPHAGY IN RHODESIA. *J. Herpetol.* 8(3): 247, 1 fig. July 1974. *WR 157: 86*
[Umtali Mus., Umtali, Rhodesia]

Broadley, Donald G. A REVIEW OF *PSAMMOPHIS LEIGHTONI* AND *PSAMMOPHIS NOTOSTICTUS* IN SOUTHERN AFRICA (SERPENTES: COLUBRIDAE). *Arnoldia* (Rhodesia) 7(13): 1-17, 6 figs., 1 pl. 28 Feb. 1975. *WR 157: 86*
[Umtali Mus., Umtali, Rhodesia]

Broadley, Donald G. A REVIEW OF THE COBRAS OF THE *NAJA NIGRICOLLIS* COMPLEX IN SOUTHWESTERN AFRICA (SERPENTES: ELAPIDAE). *Cimbebasia Ser. A* 2(14): 155-162, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 86*
[Umtali Mus., Umtali, Rhodesia]

Brown, William S. ECOLOGY OF THE AQUATIC BOX TURTLE, *TERRAPENE COAHUILA* (CHELONIA, EMYDIDAE), IN NORTHERN MEXICO. *Bull. Fla. State Mus. Biol. Sci.* 19(1): 1-67, 12 figs. 1 Oct. 1974. Price $2.30. *WR 157: 86*
[Skidmore Coll., Saratoga Springs, N.Y. 12866]

Burghardt, Gordon M. CHEMICAL PREY PREFERENCE POLYMORPHISM IN NEWBORN GARTER SNAKES *THAMNOPHIS SIRTALIS. Behaviour* 52(3-4): 202-225, 5 figs. 1975. In English with German summ. *WR 157: 86*
[Univ. Tenn., Knoxville]

Burstein, Neal, Kenneth R. Larsen, and Hobart M. Smith. A PRELIMINARY SURVEY OF DERMATOGLYPHIC VARIATION IN THE LIZARD GENUS *SCELOPORUS. J. Herpetol.* 8(4): 359-369, 5 figs. Oct. 1974. *WR 157: 86*
[Stanford Univ., Stanford, Calif.]

Campbell, J. A., and Hugh R. Quinn. REPRODUCTION IN A PAIR OF ASIATIC COBRAS, *NAJA NAJA* (SERPENTES, ELAPIDAE). *J. Herpetol.* 9(2): 229-233, 9 figs. Apr. 1975. *WR 157: 86*
[Fort Worth Zool. Park, Fort Worth, Tex. 76110]

Case, Ted J. SPECIES NUMBERS, DENSITY COMPENSATION, AND COLONIZING ABILITY OF LIZARDS ON ISLANDS IN THE GULF OF CALIFORNIA. *Ecology* 56(1): 3-18, 4 figs. Winter 1975. *WR 157: 86*
[Univ. Calif., Davis 95616] It was concluded that differences in predation intensity, insect productivity, and possibly competitive interference account for the high number of lizards on some small isolated islands.--Courtesy/ Paul A. Stewart.

Cei, J. M. *LIOLAEMUS MELANOPS* BURMEISTER AND THE SUBSPECIFIC STATUS OF THE *LIOLAEMUS FITZINGERI* GROUP (SAURIA-IGUANIDAE). *J. Herpetol.* 9(2): 217-222, 3 figs. Apr. 1975. *WR 157: 87*
[Inst. Biol. Animal, U.N.C., Mendoza, Argentina]

Cei, J. M. REVISION OF THE PATAGONIAN IGUANIDS OF THE *LIOLAEMUS ELONGATUS* COMPLEX. *J. Herpetol.* 8(3): 219-229, 5 figs. July 1974. *WR 157: 87*
[Inst. Biol. Animal, U.N.C., Mendoza, Argentina]

Cei, J. M. SOUTHERN PATAGONIAN IGUANID LIZARDS OF THE *LIOLAEMUS KINGI* GROUP. *Herpetologica* 31(1): 109-116, 3 figs. Mar. 1975. *WR 157: 87*
[Inst. Biol. Animal, U.N.C., Mendoza, Argentina]

Cei, J. M., and V. G. Roig. A NEW LIZARD FROM THE SIERRA DEL NEVADO MOUNTAINS, CENTRAL ARGENTINA. *J. Herpetol.* 9(2): 256. Apr. 1975. *WR 157: 87*
[Inst. Biol. Animal, U.N.C., Mendoza, Argentina]

Chiu, K. W., C. C. Wong, F. H. Lei, and V. Tam. THE NATURE OF THYROIDAL SECRETIONS IN REPTILES. *Gen. Comp. Endocrinol.* 25(1): 74-82, 1 fig. Jan. 1975. *WR 157: 87*
[Chinese Univ. Hong Kong, Hong Kong] *"Geoclemys reevesii, Gekko gecko* and *Elaphe radiata."*

Clark, William H. ARBOREAL BEHAVIOR OF THE LEOPARD LIZARD, *CROTAPHYTUS WISLIZENII* IN WESTERN NEVADA. *Trans. Kans. Acad. Sci.* 77(1): 68. 1974. [1975] *WR 157: 87*
[705 Smith Street, Vale, Oreg. 97918]

Cliburn, J. William. THE HEMIPENIS OF *PITUOPHIS MELANOLEUCUS*. *J. Herpetol.* 9(2): 254-255, 2 figs. Apr. 1975. *WR 157: 87*
[Univ. Southern Miss., Hattiesburg 39401]

Clover, Robert Charles. MORPHOLOGICAL VARIATIONS IN POPULATIONS OF *LACERTA* FROM ISLANDS IN THE ADRIATIC SEA. *Ph. D. thesis, Oreg. State Univ.* 152 p. 1975. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 87*

Cohen, Allen C. SOME FACTORS AFFECTING WATER ECONOMY IN SNAKES. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 361-368, 8 figs. 1 June 1975. *WR 157: 87*
[Cypress Coll., Cypress, Calif. 90630]

Crews, David. INTER- AND INTRAINDIVIDUAL VARIATION IN DISPLAY PATTERNS IN THE LIZARD, *ANOLIS CAROLINENSIS*. *Herpetologica* 31(1): 37-47, 6 figs. Mar. 1975. *WR 157: 87*
[Univ. Calif., Berkeley 94720]

Derickson, William Kenneth. ECOLOGICAL AND PHYSIOLOGICAL ASPECTS OF REPRODUCTIVE STRATEGIES IN THE LIZARDS *SCELOPORUS UNDULATUS GARMANI* AND *S. GRACIOSUS GRACIOSUS*. *Ph. D. thesis, Kans. State Univ.* 68 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 87*

Diefenbach, Carlos O. da C. GASTRIC FUNCTION IN *CAIMAN CROCODILUS* (CROCODYLIA: REPTILIA)--I. RATE OF GASTRIC DIGESTION AND GASTRIC MOTILITY AS A FUNCTION OF TEMPERATURE. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 259-265, 9 figs. 1 June 1975. *WR 157: 87*
[Univ. Fed. Rio Grande do Sul, Cx. Postal 592, Porto Alegre, RGS, Brazil]

Diefenbach, Carlos O. da C. GASTRIC FUNCTION IN *CAIMAN CROCODILUS* (CROCODYLIA: REPTILIA)--II. EFFECTS OF TEMPERATURE ON pH AND PROTEOLYSIS. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 267-274, 3 figs. 1 June 1975. *WR 157: 87*
[Univ. Fed. Rio Grande do Sul, Cx. Postal 592, Porto Alegre, RGS, Brazil]

Dixon, James R., and Robert A. Thomas. A DICHROMATIC POPULATION OF THE SNAKE, *GEOPHIS LATIFRONTALIS*, WITH COMMENTS ON THE STATUS OF *GEOPHIS SEMIANNULATUS*. *J. Herpetol.* 8(3): 271-273, 1 fig. July 1974. *WR 157: 88*
[Tex. A & M Univ., College Station 77843]

Donaldson, M., D. Heyneman, R. Dempster, and L. Garcia. EPIZOOTIC OF FATAL AMEBIASIS AMONG EXHIBITED SNAKES: EPIDEMIOLOGIC, PATHOLOGIC, AND CHEMOTHERAPEUTIC CONSIDERATIONS. *Am. J. Vet. Res.* 36(6): 807-817, 4 figs. June 1975. *WR 157: 88*
[Calif. Acad. Sci., Golden Gate Park, San Francisco 94118] *"Boa constrictor, Python molurus bivittatus,* and *Tiliqua scincoides."*

Dutton, Ronald H., and Lloyd C. Fitzpatrick. METABOLIC COMPENSATION TO SEASONAL TEMPERATURES IN THE RUSTY LIZARD, *SCELOPORUS OLIVACEUS*. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 309-318, 5 figs. 1 June 1975. *WR 157: 88*
[Fitzpatrick: North Tex. State Univ., Denton 76203]

Easterla, David A., and Rolland C. Reynolds. ADDITIONAL RECORDS AND ECOLOGICAL NOTES ON THE RETICULATED GECKO, *COLEONYX RETICULATUS* (DAVIS AND DIXON), FROM THE SOUTHERN TRANS-PECOS OF SOUTHWESTERN TEXAS. *J. Herpetol.* 9(2): 233-236, 3 figs. Apr. 1975. *WR 157: 88*
[Northwest Mo. State Univ., Maryville 64468]

Erkinaro, Eino. VARIATIONEN I HUVUDPLATARNA HOS SKOGSODIAN, *LACERTA VIVIPARA*, I NORRA FINLAND. [VARIATION IN THE HEAD-SHIELD PATTERN OF THE COMMON LIZARD, *LACERTA VIVIPARA*, IN NORTHERN FINLAND.] *Fauna* (Oslo) 27(2): 85-89, illus. 1974. [From Biol. Abstr. 59(2), 1975. In Norwegian with English summ.] *WR 157: 88*
[Oulu Univ., Oulu, Finland]

Ernst, Carl H. EFFECTS OF HURRICANE AGNES ON A PAINTED TURTLE POPULATION. *J. Herpetol.* 8(3): 237-240. July 1974. *WR 157: 88*
[George Mason Univ., Fairfax, Va. 22030] *"Chrysemys picta."*

Ernst, Carl H. OBSERVATIONS ON THE COURTSHIP OF MALE *GRAPTEMYS PSEUDOGEOGRAPHICA*. *J. Herpetol.* 8(4): 377-378. Oct. 1974. *WR 157: 88*
[George Mason Univ., Fairfax, Va. 22030]

Ernst, Carl H. TAXONOMIC STATUS OF THE RED-BELLIED SNAKE, *STORERIA OCCIPITO-MACULATA*, IN MINNESOTA. *J. Herpetol.* 8(4): 347-351, 1 fig. Oct. 1974. *WR 157: 88*
[George Mason Univ., Fairfax, Va. 22030]

Essghaier, Mohamed F. A., and Donald R. Johnson. ASPECTS OF THE BIOENERGETICS OF GREAT BASIN LIZARDS. *J. Herpetol.* 9(2): 191-195. Apr. 1975. *WR 157: 88*
[Univ. Idaho, Moscow 83843] *"Crotaphytus wislizeni, Cnemidophorus tigris* and *Uta stansburiana."*

Fabian, Marta Elena. CONTRIBUICAO AO CONHECIMENTO DA OSTEOLOGIC CRANIANA DE *LIOPHIS* WAGLER, (SERPENTES, COLUBRIDAE). [CRANIAL OSTEOLOGY OF *LIOPHIS* WAGLER, (SERPENTES, COLUBRIDAE).] *Iheringia Ser. Zool.* 42. p. 14-24, illus. 1973. [From Biol. Abstr. 59(3), 1975. In Portuguese with English summ.] *WR 157: 88*
[Mus. Rio-Grandense Cienc. Nat., Porto Alegre, Rio Grande do Sul, Brazil]
"Liophis anomalus, L. jaegeri, L. milliaris and *L. occipitalis."*

Fitch, Henry S. A DEMOGRAPHIC STUDY OF THE RINGNECK SNAKE *(DIADOPHIS PUNCTATUS)* IN KANSAS. *Univ. Kans. Mus. Nat. Hist. Misc. Publ.* no. 62. 53 p., 19 figs. 3 Apr. 1975. Price $3.00 postpaid. *WR 157: 88*
[Univ. Kans., Lawrence]

Fleet, Robert R., and Henry S. Fitch. FOOD HABITS OF *BASILISCUS BASILISCUS* IN COSTA RICA. *J. Herpetol.* 8(3): 260-262, 1 fig. July 1974. *WR 157: 88*
[Tex. A & M Univ., College Station 77843]

Gans, Carl. NEW RECORDS OF SMALL AMPHISBAENIANS FROM NORTHERN SOUTH AMERICA. *J. Herpetol.* 8(3): 273-275. July 1974. *WR 157: 89*
[Univ. Mich., Ann Arbor 48104]

Garrick, L. D., and E. I. Saiff. OBSERVATIONS ON SUBMERGENCE REFLEXES OF *CAIMAN SCLEROPS*. *J. Herpetol.* 8(3): 231-235, 2 figs. July 1974. *WR 157: 89*
[New York Zool. Soc., 185th St. & Southern Blvd., Bronx, N.Y. 10460]

Garrick, Leslie D. STRUCTURE AND PATTERN OF THE ROARS OF CHINESE ALLIGATORS *(ALLIGATOR SINENSIS* FAUVEL). *Herpetologica* 31(1): 26-31, 1 fig. Mar. 1975. *WR 157: 89*
[New York Zool. Soc., 185th St. & Southern Blvd., Bronx, N.Y. 10460]

Gillingham, James C., and Theodore Rush. NOTES ON THE FISHING BEHAVIOR OF WATER SNAKES. *J. Herpetol.* 8(4): 384-385. Oct. 1974. *WR 157: 89*
[Univ. Okla., Norman 73069] *"Natrix* spp."

Goldberg, Stephen R. YEARLY VARIATIONS IN THE OVARIAN CYCLE OF THE LIZARD *SCELOPORUS OCCIDENTALIS*. *J. Herpetol.* 9(2): 187-189. 1 fig. Apr. 1975. *WR 157: 89*
[Whittier Coll., Whittier, Calif. 90608]

Golder, Friedrich. ZUR KENNTNIS VON *ELAPHE MANDARINA* (SERPENTES, COLUBRIDAE). [TOWARD THE KNOWLEDGE OF *ELAPHE MANDARINA* (SERPENTES, COLUBRIDAE).] *Salamandra* 10(1): 22-26, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 89*
[Kleine Bogenstr. 1, 6500 Mainz, West Germany]

Gorman, George C., and Paul Licht. DIFFERENCES BETWEEN THE REPRODUCTIVE CYCLES OF SYMPATRIC ANOLIS LIZARDS ON TRINIDAD. *Copeia* 1975(2): 332-337, 2 figs. 23 May 1975. *WR 157: 89*
[Univ. Calif., Los Angeles 90024] *"Anolis aeneus* and *A. trinitatis."*

Gorman, George C., and Brad Stamm. THE *ANOLIS* LIZARDS OF MONA, REDONDA, AND LA BLANQUILLA: CHROMOSOMES, RELATIONSHIPS, AND NATURAL HISTORY NOTES. *J. Herpetol.* 9(2): 197-205, 3 figs. Apr. 1975. *WR 157: 89*
[Univ. Calif., Los Angeles 90024]

Greene, Harry W. ECOLOGICAL OBSERVATIONS ON THE RED COFFEE SNAKE, *NINIA SEBAE*, IN SOUTHERN VERACRUZ, MEXICO. *Am. Midl. Nat.* 93(2): 478-484. Apr. 1975. *WR 157: 89*
[Univ. Tenn., Knoxville 37916]

Greer, Allen E. ON THE MAXIMUM TOTAL LENGTH OF THE SALT-WATER CROCODILE *(CROCODYLUS POROSUS)*. *J. Herpetol.* 8(4): 381-384. Oct. 1974. *WR 157: 89*
[Harvard Univ., Cambridge, Mass. 02138]

Greer, Allen E., Jr. NOTES ON THE SYSTEMATICS OF THE GENUS *CARLIA* (LACERTILIA: SCINCIDAE). I. *CARLIA MELANOPOGON* GRAY 1845. *Herpetologica* 31(1): 70-75, 5 figs. Mar. 1975. *WR 157: 89*
[Univ. Calif., Berkeley 94720]

Gregory, Patrick T. PATTERNS OF SPRING EMERGENCE OF THE RED-SIDED GARTER SNAKE *(THAMNOPHIS SIRTALIS PARIETALIS)* IN THE INTERLAKE REGION OF MANITOBA. *Can. J. Zool.* 52(8): 1063-1069, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 89*
[Univ. Victoria, Victoria, British Columbia, Canada]

Grenot, Claude. POLYMORPHISME CHROMATIQUE DU LEZARD AGAMIDE *UROMASTIX ACANTHINURUS* BELL. DANS LES POPULATIONS DUE SAHARA NORD OCCIDENTAL. [COLORATION POLYMORPHISM OF THE AGAMID LIZARD *UROMASTIX ACANTHINURUS* BELL., IN THE WESTERN SAHARA POPULATIONS. *Bull. Soc. Zool. Fr.* 99(1): 153-164, illus. 1974. [From Biol. Abstr. 59(3), 1975. In French with English summ.] *WR 157: 89*

Grogan, William L., Jr. A MARYLAND HIBERNACULUM OF NORTHERN BROWN SNAKES, *STORERIA D. DEKAYI*. *Bull. Md. Herpetol. Soc.* 11(1): 27. Mar. 1975. *WR 157: 90*
[Univ. Md., College Park 20742]

Gruber, Ulrich. ZUR TAXONOMIE UND OEKOLOGIE DER REPTILIEN VON DER INSEL ANTIKYTHIRA. [ON THE TAXONOMY AND ECOLOGY OF THE REPTILES OF ANTIKYTHERA.] *Salamandra* 10(1): 31-41, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 90*
[Zool. Samml. Bayer. Staates, Maria-Ward-Str. 1b, 8000 München 19, West Germany]

Hardy, Graham S. KARYOTYPE OF THE NEW ZEALAND GECKO, *HOPLODACTYLUS PACIFICUS* (GRAY) (REPTILIA: GEKKONIDAE). *Herpetologica* 31(1): 80-82, 1 fig. Mar. 1975. *WR 157: 90*
[Victoria Univ. Wellington, Wellington, New Zealand]

Hardy, Laurence M. A SYSTEMATIC REVISION OF THE COLUBRID SNAKE GENUS *FICIMIA*. *J. Herpetol.* 9(2): 133-168, 24 figs. Apr. 1975. *WR 157: 90*
[La. State Univ., Shreveport 71105]

Hardy, Laurence M. A SYSTEMATIC REVISION OF THE COLUBRID SNAKE GENUS *GYALOPION*. *J. Herpetol.* 9(1): 107-132, 11 figs. Jan. 1975. *WR 157: 90*
[La. State Univ., Shreveport 71105]

Harris, Herbert S., Jr., and Robert S. Simmons. AN ENDANGERED SPECIES, THE NEW MEXICAN RIDGE-NOSED RATTLESNAKE. *Bull. Md. Herpetol. Soc.* 11(1): 1-7, 8 figs. Mar. 1974. *WR 157: 90*
[Nat. Hist. Soc. Md., 2643 N. Charles Street, Baltimore 21218] *"Crotalus willardi* ssp."

Heatwole, Harold, and Roger Seymour. PULMONARY AND CUTANEOUS OXYGEN UPTAKE IN SEA SNAKES AND A FILE SNAKE. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 399-405. 1 June 1975. *WR 157: 90*
[Univ. New England, Armidale, New South Wales 2351, Australia]

Hertz, Paul E. THERMAL PASSIVITY OF A TROPICAL FOREST LIZARD, *ANOLIS POLYLEPIS*. *J. Herpetol.* 8(4): 323-327, 2 figs. Oct. 1974. *WR 157: 90*
[Harvard Univ., Cambridge, Mass. 02138]

Houston, T. F. REVISION OF THE *AMPHIBOLURUS DECRESII* COMPLEX (LACERTILIA: AGAMIDAE) OF SOUTH AUSTRALIA. *Trans. Roy. Soc. S. Aust.* 98(2): 49-60, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 90*
[Southern Aust. Mus., N. Terrace, Adelaide, Southern Australia 5000, Australia]

Huffman, Thomas N. REPRODUCTION OF A GABOON VIPER, *BITIS GABONICA GABONICA*, IN CAPTIVITY. *Arnoldia* 6(39): 1-7, 1 fig., 4 pls. 28 June 1974. *WR 157: 90*
[Natl. Museums & Monuments of Rhodesia, Salisbury, Rhodesia]

Hulse, Arthur C. FOOD HABITS AND FEEDING BEHAVIOR IN *KINOSTERNON SONORIENSE* (CHELONIA: KINOSTERNIDAE). *J. Herpetol.* 8(3): 195-199, 1 fig. July 1974. *WR 157: 90*
[Ariz. State Univ., Tempe 85281]

Hulse, Arthur Charles. AN AUTECOLOGICAL STUDY OF *KINOSTERNON SONORIENSE* LECONTE (CHELONIA: KINOSTERNIDAE). *Ph. D. thesis, Ariz. State Univ.* 116 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 90*

Idowu, A. L., R. R. Golding, B. O. Ikede, D. H. Hill, J. H. Cunningham, and S. B. Akerele. ORAL FIBROMA IN A CAPTIVE PYTHON. *J. Wildl. Dis.* 11(2): 201-204, 2 figs. Apr. 1975. *WR 157: 90*
[Univ. Davis, Davis, Calif.] *"Python molurus."*

Iverson, John B. NOTES ON COURTSHIP IN *RHINOCLEMYS FUNEREA*. *J. Herpetol.* 9(2): 249-250. Apr. 1975. *WR 157: 91*
[Univ. Fla., Gainesville 32611]

Jackson, Dale R., and Sam R. Telford, Jr. FOOD HABITS AND PREDATORY ROLE OF THE JAPANESE LACERTID *TAKYDROMUS TACHYDROMOIDES*. *Copeia* 1975(2): 343-351, 2 figs. 23 May 1975. *WR 157: 91*
[Univ. Fla., Gainesville 32611]

Jackson, James F., and Howard W. Campbell. THE FEEDING HABITS OF CROCODILIANS: VALIDITY OF THE EVIDENCE FROM STOMACH CONTENTS. *J. Herpetol.* 8(4): 378-381. Oct. 1974. *WR 157: 91*
[Univ. São Paulo, Caixa Postal 7172, São Paulo, Brazil]

Jameson, E. W., Jr. FAT AND BREEDING CYCLES IN A MONTANE POPULATION OF *SCELOPORUS CRACIOSUS*. *J. Herpetol.* 8(4): 311-322, 9 figs. Oct. 1974. *WR 157: 91*
[Univ. Calif., Davis 95616]

Jenssen, Thomas A. DISPLAY REPERTOIRE OF A MALE *PHENACOSAURUS HETERODERMUS* (SAURIA: IGUANIDAE). *Herpetologica* 31(1): 48-55, 3 figs. Mar. 1975. *WR 157: 91*
[Va. Polytech. Inst., Blacksburg 24061]

Johanbocke, Michael M. EFFECTS OF A BITE FROM *CONOPHIS LINEATUS* (SQUAMATA: COLUBRIDAE). *Bull. Phila. Herpetol. Soc.* 22: 39. 1974. *WR 157: 91*
[200 varas sur de Escuela *Esempi* y 10 varas este, Los Yoses Sur, Zapote, Costa Rica]

Kardong, Kenneth V. PREY CAPTURE IN THE COTTONMOUTH SNAKE *(AGKISTRODON PISCIVORUS*. *J. Herpetol.* 9(2): 169-175, 4 figs. Apr. 1975. *WR 157: 91*
[Wash. State Univ., Pullman]

Kashyap, H. V. MUSCULAR ARCHITECTURE OF THE OPHIDIAN VENTRICLE. *J. Herpetol.* 9(1): 93-102, 6 figs. Jan. 1975. *WR 157: 91*
[Inst. Sci., Bombay-32, India]

Kaufman, Glennis A., and J. Whitfield Gibbons. WEIGHT-LENGTH RELATIONSHIPS IN THIRTEEN SPECIES OF SNAKES IN THE SOUTHEASTERN UNITED STATES. *Herpetologica* 31(1): 31-37, 2 figs. Mar. 1975. *WR 157: 91*
[Savannah River Ecol. Lab., P. O. Drawer E, Aiken, S. C. 29801]

Keiser, Edmund D., Jr. OBSERVATIONS ON TONGUE EXTENSION OF VINE SNAKES (GENUS *OXYBELIS*) WITH SUGGESTED BEHAVIORAL HYPOTHESES. *Herpetologica* 31(1): 131-133. Mar. 1975. *WR 157: 91*
[Univ. Southwestern La., Lafayette 70501]

Kiester, A. Ross, George C. Gorman, and David Colon Arroyo. HABITAT SELECTION BEHAVIOR OF THREE SPECIES OF *ANOLIS* LIZARDS. *Ecology* 56(1): 220-225, 3 figs. Winter 1975. *WR 157: 91*
[Harvard Univ., Cambridge, Mass. 02138] *"Anolis auratus, A. pulchellus* and *A. cristatellus."*

Klein, Jerry and Michael S. Loop. HEADFIRST PREY INGESTION BY NEWBORN *ELAPHE* AND *LAMPROPELTIS*. *Copeia* 1975(2): 366. 23 May 1975. *WR 157: 91*
[Oak Ridge Natl. Lab., Oak Ridge, Tenn. 37830]

Kothari, R. M., and S. F. Patil. EFFECT OF GAMMA IRRADIATION ON THE COMMON GARDEN LIZARD, *CALOTES VERSICOLOR* (DAUD). *J. Herpetol.* 9(1): 103-105. Jan. 1975. *WR 157: 91*
[Natl. Naval Med. Cent., Bethesda, Md. 20014]

Lardie, Richard L. COURTSHIP AND MATING BEHAVIOR IN THE YELLOW MUD TURTLE. *KINOSTERNON FLAVESCENS FLAVESCENS*. *J. Herpetol.* 9(2): 223-227, 1 fig. Apr. 1975. *WR 157: 92*
[Okla. State Univ., Stillwater 74074]

Lardie, Richard L. OBSERVATIONS ON REPRODUCTION IN *KINOSTERNON*. *J. Herpetol.* 9(2): 260-264. Apr. 1975. *WR 157: 92*
[Okla. State Univ., Stillwater 74074]

Levy, Dick. PSEUDOMONAS INFECTION IN A RAINBOW BOA. *Bull. Phila. Herpetol. Soc.* 22: 35-36. 1974. *WR 157: 92*
[1331 Hale Street, Philadelphia, Pa. 19111]

Lincoln, Marcia, and Roger E. Schranz. HATCHING OF *BOIGA CYANEA*. *Bull. Phila. Herpetol. Soc.* 22: 34. 1974. *WR 157: 92*
[4 Ethan Allen Court, Newark, Del. 19711]

Lotze, Hans Ulrich. EINE VIERSTREIFENNATTER *(ELAPHE QUATUORLINEATA)* VON DER SPORADENINSEL KOS. [A SPECIMEN OF *ELAPHE QUATUORLINEATA* FROM THE SPORADE ISLAND KOS.] *Salamandra* 10(1): 27-30, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 92*
[54 Ave. des Communes Reunies, CH-1212 Grand-Lancy-Geneva, Switzerland]

Mahmoud, I. Y., and John Klicka. EXTRA-UTERINE EGG MIGRATION IN A SNAPPING TURTLE, *CHELYDRA SERPENTINA SERPENTINA*. *J. Herpetol.* 9(2): 242-243. Apr. 1975. *WR 157: 92*
[Univ. Wis., Oshkosh 54901]

Mahrdt, Clark R. THE OCCURRENCE OF *ENSATINA ESCHSCHOLTZII ESCHSCHOLTZII* IN BAJA CALIFORNIA, MEXICO. *J. Herpetol.* 9(2): 240-242, 1 fig. Apr. 1975. *WR 157: 92*
[San Diego Nat. Hist. Mus., P. O. Box 1390, San Diego, Calif. 92112]

McCoy, C. J. REPRODUCTION IN GUATEMALAN *ANOLIS BIPORCATUS* (SAURIA: IGUANIDAE). *Herpetologica* 31(1): 65-66. Mar. 1975. *WR 157: 92*
[Carnegie Mus. Nat. Hist., Pittsburg, Pa. 15213]

McDowell, S. B. A CATALOGUE OF THE SNAKES OF NEW GUINEA AND THE SOLOMONS, WITH SPECIAL REFERENCE TO THOSE IN THE BERNICE P. BISHOP MUSEUM. PART II. ANILIOIDEA AND PYTHONINAE. *J. Herpetol.* 9(1): 1-80, 19 figs. Jan. 1975. *WR 157: 92*
[Rutgers Univ., Newark, N.J. 07102]

Moll, Don L. NOTES ON THE BEHAVIOR OF ISLE ROYALE PAINTED TURTLES *(CHRYSEMYS PICTA BELLII)*. *J. Herpetol.* 8(3): 254-255. July 1974. *WR 157: 92*
[Ill. State Univ., Normal 61761]

Mueller, Paul. *CLELIA CLELIA PLUMBEA* VON DER INSEL FLORIANOPOLIS (SANTA CATARINA, BRASILIEN) (SERPENTES, COLUBRIDAE). [*CLELIA CLELIA PLUMBEA* FROM THE ISLAND FLORIANOPOLIS (SANTA CATARINA, BRAZIL) (SERPENTES, COLUBRIDAE).] *Salamandra* 10(1): 43. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 92*
[Univ. Saarland, 66 Saarbruecken 11, West Germany]

Murphy, James B., John E. Joy, Jr., and John A. Shadduck. COLONIC TORSION IN A WESTERN DIAMONDBACK RATTLESNAKE, *CROTALUS ATROX*. *J. Herpetol.* 9(2): 248, 1 fig. Apr. 1975. *WR 157: 92*
[Dallas Zoo, Dallas, Tex. 75203]

Parker, William S., and William S. Brown. NOTES ON THE ECOLOGY OF REGAL RINGNECK SNAKES *(DIADOPHIS PUNCTATUS REGALIS)* IN NORTHERN UTAH. *J. Herpetol.* 8(3): 262-263. July 1974. *WR 157: 92*
[Univ. Utah, Salt Lake City 84112]

Peabody, Robert B., Judith A. Johnson, and Edmund D. Brodie, Jr. INTRASPECIFIC ESCAPE FROM INGESTION OF THE RUBBER BOA, *CHARINA BOTTAE*. *J. Herpetol.* 9(2): 237. Apr. 1975. *WR 157: 93*
[Univ. Md., College Park 20742]

Pendlebury, George B. STOMACH AND INTESTINE CONTENTS OF *CORALLUS ENYDRIS*; A COMPARISON OF ISLAND AND MAINLAND SPECIMENS. *J. Herpetol.* 8(3): 241-244. July 1974. *WR 157: 93*
[#708, 820 - 5th Ave., S.W., Calgary, Alberta, Canada]

Poivre, Cl. OBSERVATIONS SUR LE COMPORTEMENT PREDATEUR DE L'ORVET *(ANGUIS FRAGILIS* L.*)*. [OBSERVATIONS UPON THE PREDATORY BEHAVIOR OF THE SLOW-WORM *ANGUIS FRAGILIS*. II. CAPTURE OF VARIOUS PREY.] *Terre Vie* 29(1): 63-70, 3 figs. Jan.-Mar. 1975. In French with English summ. *WR 157: 93*
[Univ. Nancy, 54000 Nancy, France]

Pomianowska-Pilipiuk, Irmina. ENERGY BALANCE AND FOOD REQUIREMENTS OF ADULT VIPERS *VIPERA BERUS* (L.). *Ekol. Pol.* 22(1): 195-211, 2 figs. 1974. *WR 157: 93*
[Inst. Ecol., Polish Acad. Sci., Dziekanów Leśny near Warsaw, Poland]

Ponirovskii, E. N. [PARASITIZING FLAGELLATES ON SOME REPTILE SPECIES.] *Izv. Akad. Nauk Turkm. SSR Ser. Biol. Nauk* 6. p. 84-86, illus. 1973. [From Biol. Abstr. 59(3), 1975. In Russian with Turkmensk and English summ.] *WR 157: 93*
[Ashkhab. Inst. Epidemiol. Hyg., Ashkhabad, USSR] *"Gymnodactylus caspius, Agama sanguinolenta, Phrynocephalus helioscopus, P. mystaceus, P. interscapularis, Eremias guttulata, E. grammica* and *E. lineolata."*

Powers, Arnold L., and Benjamin H. Banta. *CHILOMENISCUS STRAMINEUS* (COPE) RECORDED FROM CERRALVO ISLAND, GULF OF CALIFORNIA, MEXICO. *J. Herpetol.* 8(4): 386-387, 1 fig. Oct. 1974. *WR 157: 93*
[Univ. Colo., Boulder 80302]

Punzo, Fred. A QUALITATIVE AND QUANTITATIVE STUDY OF THE FOOD ITEMS OF THE YELLOW MUD TURTLE, *KINOSTERNON FLAVESCENS* (AGASSIZ). *J. Herpetol.* 8(3): 269-271. July 1974. *WR 157: 93*
[Iowa State Univ., Ames 50010]

Punzo, Fred. STUDIES ON THE FEEDING BEHAVIOR, DIET, NESTING HABITS AND TEMPERATURE RELATIONSHIPS OF *CHELYDRA SERPENTINA OSCEOLA* (CHELONIA: CHELYDRIDAE). *J. Herpetol.* 9(2): 207-210, 1 fig. Apr. 1975. *WR 157: 93*
[Iowa State Univ., Ames 50010]

Raath, M. A. FOSSIL VERTEBRATE STUDIES IN RHODESIA: FURTHER EVIDENCE OF GASTROLITHS IN PROSAUROPOD DINOSAURS. *Arnoldia* 7(5): 1-7, 1 fig., 2 pls. 11 Oct. 1974. *WR 157: 93*
[Natl. Museums & Monuments of Rhodesia, Salisbury, Rhodesia]

Rand, A. Stanley, and Robin Andrews. ADULT COLOR DIMORPHISM AND JUVENILE PATTERN IN *ANOLIS CUVIERI*. *J. Herpetol.* 9(2): 257-260. Apr. 1975. *WR 157: 93*
[Colo. State Univ., Fort Collins 80521]

Rhodin, Anders G.J. PATHOLOGICAL LITHOPHAGY IN *TESTUDO HORSFIELDI*. *J. Herpetol.* 8(4): 385-386. Oct. 1974. *WR 157: 93*
[N.Y. Med. Coll., Valhalla 10595]

Robinson, John M. III, Robert S. Brodey, and John M. Robinson, Jr. WINTER RECORDS OF GARTER AND BLACK SNAKES. *Bull. Phila. Herpetol. Soc.* 22: 33-34. 1974. *WR 157: 93*
[1323 Lenore Rd., Meadowbrook, Pa. 19096] *"Thamnophis s. sirtalis* and *Coluber c. constrictor."*

Roth, Jan Jean. THE EFFECTS OF TEMPERATURE UPON FOLLICLE-STIMULATING HORMONE INFLUENCED OVARIAN RECRUDESCENCE AND MAINTENANCE IN THE LIZARD *ANOLIS CAROLINENSIS*. *Ph. D. thesis, Univ. Colo.* 66 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 94*

Salvador, Alfredo. DIE AESKULAPNATTER *(ELAPHE LONGISSIMA)* IN SPANIEN. [*ELAPHE LONGISSIMA* IN SPAIN.] *Salamandra* 10(1): 42. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 94*
[Univ. Complutense, Madrid, Spain]

Schaefer, N. FANG REPLACEMENT IN THE SNAKES *DISPHOLIDUS TYPUS* AND *THELOTORNIS KIRTLANDII*. *Herpetologica* 31(1): 102-104. Mar. 1975. *WR 157: 94*
[Port Elizabeth Mus., Humewood, Port Elizabeth, South Africa]

Schwartz, Albert. NEW SUBSPECIES OF *SPHAERODACTYLUS COPEI* STEINDACHNER (SAURIA, GEKKONIDAE) FROM HISPANIOLA. *Herpetologica* 31(1): 1-18, 1 fig. Mar. 1975. *WR 157: 94*
[Miami-Dade Jr. Coll., Miami, Fla. 33167]

Smith, Hobart M., and William P. Hall. CONTRIBUTIONS TO THE CONCEPTS OF REPRODUCTIVE CYCLES AND THE SYSTEMATICS OF THE SCALARIS GROUP OF THE LIZARD GENUS *SCELOPORUS*. *Great Basin Nat.* 34(2): 97-104, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 94*
[Univ. Colo., Boulder 80302] *"Sceloporus aeneus,* and *S. scalaris."*

Smith, Hobart M., and Kenneth R. Larsen. THE IDENTITY OF THE SNAKE NAME *HOMALOCRANION PRAEOCULUM* BOCOURT. *J. Herpetol.* 9(2): 237-240. Apr. 1975. *WR 157: 94*
[Univ. Colo., Boulder 80302]

Smith, Hobart M., and Kenneth R. Larsen. THE NAME OF THE BAJA CALIFORNIA CAPE WORMSNAKE. *Great Basin Nat.* 34(2): 94-96. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 94*
[Univ. Colo., Boulder 80302] *"Leptatyphlops humilis slevini."*

Smith, Hobart M., and Alan H. Savitzky. ANOTHER CRYPTIC ASSOCIATE OF THE LIZARD *SCELOPORUS FORMOSUS* IN GUERRERO, MEXICO. *J. Herpetol.* 8(4): 297-303, 5 figs. Oct. 1974. *WR 157: 94*
[Univ. Colo., Boulder 80302]

Smyth, Michael, and Meredith J. Smith. ASPECTS OF THE NATURAL HISTORY OF THREE AUSTRALIAN SKINKS, *MORETHIA BOULENGERI, MENETIA GREYII* AND *LERISTA BOUGAINVILLII*. *J. Herpetol.* 8(4): 329-335, 6 figs. Oct. 1974. *WR 157: 94*
[Smith: Univ. Adelaide, Adelaide, South Australia 5001, Australia]

Soini, Pekka. POLYCHROMATISM IN A POPULATION OF *MICRURUS LANGSDORFFI*. *J. Herpetol.* 8(3): 267-269. July 1974. *WR 157: 94*
[P. O. Box 467, Iquitos, Peru]

Stemmler, Othmar. DIE EIERSCHLANGE, *DASYPELTIS SCABRA* (LINNAEUS, 1758), EINE WEITERS AETHIOPISCHE FORM IN DER MAROKKANISCHEN HERPETOFAUNA (REPTILIA, COLUBRIDAE). [*DASYPELTIS SCABRA* (LINNAEUS, 1758), A FURTHER ETHIOPIAN FORM IN THE MOROCCAN HERPETOFAUNA (REPTILIA, COLUBRIDAE).] *Zool. Abh.* (Dresden) 32(6): 69-73, illus. 1971(1973). [From Biol. Abstr. 59(3), 1975. In German.] *WR 157: 94*
[Naturhist. Mus., Augustinergasse 2, CH-4051 Basel, Switzerland]

Stewart, Glenn R., and Ronald S. Daniel. MICROORNAMENTATION OF LIZARD SCALES: SOME VARIATIONS AND TAXONOMIC CORRELATIONS. *Herpetologica* 31(1): 117-130, 6 figs. Mar. 1975. *WR 157: 94*
[Calif. State Polytech. Univ., Pomona 91768]

Storey, Kenneth Bruce. METABOLIC CONSEQUENCES OF DIVING: THE ANOXIC TURTLE. *Ph. D. thesis, Univ. British Columbia.* 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975. To obtain a microfiche copy, order directly from the National Library of Canada at Ottawa.] *WR 157: 95*

Talbot, James J. *ANOLIS CHOCORUM* WILLIAMS AND DUELLMAN, AN ADDITION TO THE LIZARD FAUNA OF COSTA RICA. *J. Herpetol.* 8(3): 256-257, 1 fig. July 1974. *WR 157: 95*
[Univ. Southern Calif., Los Angeles 90007]

Thomas, Richard. THE HEMIPENIS OF *LEPTOTYPHLOPS TENELLA* KLAUBER (SERPENTES: LEPTOTYPHLOPIDAE) AND A NEW DISTRIBUTIONAL RECORD. *J. Herpetol.* 9(2): 250-252, 1 fig. Apr. 1975. *WR 157: 95*
[La. State Univ., Baton Rouge 70803]

Thomas, Richard, and Albert Schwartz. THE STATUS OF *SPHAERODACTYLUS GILVITORQUES* COPE AND OF *SPHAERODACTYLUS NIGROPUNCTATUS* GRAY (SAURIA: GEKKONIDAE). *J. Herpetol.* 8(4): 353-358, 1 fig. Oct. 1974. *WR 157: 95*
[La. State Univ., Baton Rouge 70803]

Tu, Anthony T. SEA SNAKE INVESTIGATION IN THE GULF OF THAILAND. *J. Herpetol.* 8(3): 201-210. July 1974. *WR 157: 95*
[Colo. State Univ., Fort Collins, 80521]

Uzzell, Thomas, and Ilya S. Darevsky. BIOCHEMICAL EVIDENCE FOR THE HYBRID ORIGIN OF THE PARTHENOGENETIC SPECIES OF THE *LACERTA SAXICOLA* COMPLEX (SAURIA: LACERTIDAE), WITH A DISCUSSION OF SOME ECOLOGICAL AND EVOLUTIONARY IMPLICATIONS. *Copeia* 1975(2): 204-222, 11 figs. 23 May 1975. *WR 157: 95*
[Acad. Nat. Sci., Philadelphia, Pa. 19103]

Van Devender, Thomas R., and Norman T. Tessman. LATE PLEISTOCENE SNAPPING TURTLES *(CHELYDRA SERPENTINA)* FROM SOUTHERN NEVADA. *Copeia* 1975(2): 249-254, 3 figs. 23 May 1975. *WR 157: 95*
[Univ. Ariz., Tucson 85721]

Vanzolini, P. E. ECOLOGICAL AND GEOGRAPHICAL DISTRIBUTION OF LIZARDS IN PERNAMBUCO, NORTHEASTERN BRAZIL (SAURIA). *Pap. Avulsos Zool.* (São Paulo) 28(4): 61-90, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 95*
[Univ. São Paulo, São Paulo, Brazil]

Verlander, James M., Jr. PHYSIOLOGICAL CONCOMITANTS OF DIVING IN THE CAIMAN, *CAIMAN SCLEROPS. Ph. D. thesis, Univ. Houston* 113 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 95*

Vinegar, Marian B. DEMOGRAPHY OF THE STRIPED PLATEAU LIZARD, *SCELOPORUS VIRGATUS. Ecology* 56(1): 172-182, 2 figs. Winter 1975. *WR 157: 95*
[Univ. Cincinnati Med. Cent., Cincinnati, Ohio 45267] Courtesy/ Paul A. Stewart.

Vinegar, Marian B. LIFE HISTORY PHENOMENA IN TWO POPULATIONS OF THE LIZARD *SCELOPORUS UNDULATUS* IN SOUTHWESTERN NEW MEXICO. *Am. Midl. Nat.* 93(2): 388-402. Apr. 1975. *WR 157: 95*
[Univ. Cincinnati Med. Cent., Cincinnati, Ohio 45267]

Vincent, Tom. BODY TEMPERATURES OF *THAMNOPHIS SIRTALIS PARIETALIS* AT THE DEN SITE. *J. Herpetol.* 9(2): 252-254. Apr. 1975. *WR 157: 95*
[Univ. Saskatchewan, Regina, Saskatchewan, Canada S4S 0A2]

Vitt, Laurie J. OBSERVATIONS ON REPRODUCTION IN FIVE SPECIES OF ARIZONA SNAKES. *Herpetologica* 31(1): 83-84. Mar. 1975. *WR 157: 95*
[Ariz. State Univ., Tempe 85281]

REPTILES--Continued

Vitt, Laurie J., and Robert D. Ohmart. ECOLOGY, REPRODUCTION, AND REPRODUCTIVE EFFORT OF THE IGUANID LIZARD *UROSAURUS GRACIOSUS* ON THE LOWER COLORADO RIVER. *Herpetologica* 31(1): 56-65, 5 figs. Mar. 1975. *WR 157: 96*
[Ariz. State Univ., Tempe 85281]

Wada, Yoshitake, Hiroshi Tanaka, Kenji Ikeda, Hiroshi Suzuki, Etsuro Moti, Yoshihisa Noboru, Junshi Kawai, and Tsugno Ono. [RADIO-TRACKING OF MOVEMENT OF HABU, *TRIMERESURUS FLAVOVIRIDIS*, II.] *Snake* 4(1): 44-50, illus. 1972. [From Biol. Abstr. 59(3), 1975. In Japanese with English summ.] *WR 157: 96*
[Univ. Tokyo, Shiroganedai, Minato-ku, Tokyo, Japan]

Wilbur, Henry M. A GROWTH MODEL FOR THE TURTLE *CHRYSEMYS PICTA*. *Copeia* 1975 (2): 337-343, 5 figs. 23 May 1975. *WR 157: 96*
[Duke Univ., Durham, N.C. 27706]

Wilbur, Henry M. THE EVOLUTIONARY AND MATHEMATICAL DEMOGRAPHY OF THE TURTLE *CHRYSEMYS PICTA*. *Ecology* 56(1): 64-77, 5 figs. Winter 1975. *WR 157: 96*
[Duke Univ., Durham, N.C. 27706] Courtesy/ Paul A. Stewart.

Wilbur, Henry M., and James M. Landwehr. THE ESTIMATION OF POPULATION SIZE WITH EQUAL AND UNEQUAL RISKS OF CAPTURE. *Ecology* 55(6): 1339-1348, 5 figs. Autumn 1974. *WR 157: 96*
[Duke Univ., Durham, N.C. 27706] "We present a way of testing this assumption of equicatchability and suggest guidelines for analyzing population data if the null hypothesis is rejected....The methods we developed may be used to study the behavioral, migratory, or sampling characteristics of a population as they relate to mark-recapture estimates of population parameters. These techniques require complete capture histories for each individual and are not applicable unless many individuals are recaptured two or more times." [*Chrysemys picta.*]--Courtesy/ Paul A. Stewart.

Witten, Geoffrey J. POPULATION MOVEMENTS OF THE AGAMID LIZARD *AMPHIBOLURUS NOBBI*. *Aust. Zool.* 18(2): 129-132, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 96*
[Univ. New England, Armidale, New South Wales 2351, Australia]

Zebrowski, Mitchell E., and Robert F. Mowery. EFFECT OF THE VENOM OF *HELODERMA SUSPECTUM* ON CORTICAL ELECTRICAL ACTIVITY. *Bull. Phila. Herpetol. Soc.* 22: 3-16, 7 figs. 1974. *WR 157: 96*
[1042 Beech Ave., Glenolden, Pa. 19036]

Zwinenberg, A. J. THE WESTERN SWAMP TORTOISE *(PSEUDEMYDURA UMBRINA)*, ONE OF AUSTRALIA'S RAREST REPTILES. *Bull. Md. Herpetol. Soc.* 11(1): 14-20, [5 figs.]. Mar. 1975. *WR 157: 96*
[Borneostraat 23, Vlaardingen, Netherlands]

AMPHIBIANS

Altig, Ronald, J. Padgett Kelly, Marion Wells, and James Phillips. DIGESTIVE ENZYMES OF SEVEN SPECIES OF ANURAN TADPOLES. *Herpetologica* 31(1): 104-108. Mar. 1975. *WR 157: 96*
[Miss. State Univ., Mississippi State 39762]

Altig, Ronald, and Will McDearman. PERCENT ASSIMILATION AND CLEARANCE TIMES OF FIVE ANURAN TADPOLES. *Herpetologica* 31(1): 67-69. Mar. 1975. *WR 157: 96*
[Miss. State Univ., Mississippi State 39762] *"Gastrophryne carolinensis, Acris gryllus, Bufo woodhousii, Rana catesbeiana* and *R. heckscheri."*

Altig, Ronald, and William L. Pace. SCANNING ELECTRON PHOTOMICROGRAPHS OF TADPOLE LABIAL TEETH. *J. Herpetol.* 8(3): 247-251, 2 figs. July 1974. *WR 157: 96*
[Miss. State Univ., Mississippi State 39762]

Ashton, Ray E., Jr. A STUDY OF MOVEMENT, HOME RANGE, AND WINTER BEHAVIOR OF *DESMOGNATHUS FUSCUS* (RAFINESQUE). *J. Herpetol.* 9(1): 85-91, 1 fig. Jan. 1975. *WR 157: 97*
[Univ. Kans., Lawrence 66045]

Barthalmus, George T. TIME: AN INDEX OF DISTANCE AS A BARRIER TO SALAMANDER HOMING. *J. Herpetol.* 8(3): 251-254, 1 fig. July 1974. *WR 157: 97*
[N. C. State Univ., Raleigh 27607]

Becak, Maria Luiza, and Willy Beçak. STUDIES ON POLYPLOID AMPHIBIANS--KARYOTYPE EVOLUTION AND PHYLOGENY OF THE GENUS *ODONTOPHRYNUS*. *J. Herpetol.* 8(4): 337-341, 3 figs. Oct. 1974. *WR 157: 97*
[Inst. Butantan, São Paulo, Brazil]

Black, Jeffrey Howard. LARVAL SPADEFOOT SURVIVAL. *J. Herpetol.* 8(4): 371-373. Oct. 1974. *WR 157: 97*
[Okla. Baptist Univ., Shawnee 74801] *"Scaphiopus bombifrons."*

Black, Jeffrey Howard. THE FORMATION OF "TADPOLE NESTS" BY ANURAN LARVAE. *Herpetologica* 31(1): 76-79, 2 figs. Mar. 1975. *WR 157: 97*
[Okla. Baptist Univ., Shawnee 74801]

Botzler, R. G., A. B. Cowan, and T. F. Wetzler. RATE OF *LISTERIA MONOCYTOGENES* SHEDDING FROM FROGS. *J. Wildl. Dis.* 11(2): 277-279. Apr. 1975. *WR 157: 97*
[Univ. Mich., Ann Arbor 48104] *"Rana pipiens."*

Bury, R. Bruce. THE CASCADE FROG, *RANA CASCADAE* IN THE NORTH COAST RANGE OF CALIFORNIA. *Northwest Sci.* 47(4): 228-229, illus. 1973. [From Biol. Abstr. 59(2), 1975.] *WR 157: 97*
[Natl. Mus. Nat. Hist., Washington, D. C.]

Busack, Stephen D., and R. Bruce Bury. TOAD IN EXILE. *Natl. Parks Conserv. Mag.* 49(3): 15-16, illus. Mar. 1975. *WR 157: 97*
[Natl. Mus., Washington, D. C.] *"Bufo exsul."* One of a series on endangered species.

Byrne, James J., and Ronald J. White. CYCLIC CHANGES IN LIVER AND MUSCLE GLYCOGEN TISSUE LIPID AND BLOOD GLUCOSE IN A NATURALLY OCCURRING POPULATION OF *RANA CATESBEIANA*. *Comp. Biochem. Physiol. A Comp. Physiol.* 50(4): 709-715, 6 figs. 1 Apr. 1975. *WR 157: 97*
[Mich. State Univ., East Lansing 48824]

Caldwell, Ronald S. OBSERVATIONS ON THE WINTER ACTIVITY OF THE RED-BACKED SALAMANDER, *PLETHODON CINEREUS*, IN INDIANA. *Herpetologica* 31(1): 21-22. Mar. 1975. *WR 157: 97*
[Auburn Univ., Auburn, Ala. 36830]

Cei, J. M. GEOGRAPHICAL BARRIERS AND SEROLOGICAL RELATIONSHIPS IN SOME AFRICAN TOADS OF THE *BUFO REGULARIS* COMPLEX. *Arq. Mus. Bocage* 4(10): 233-245, illus. 1973. [From Biol. Abstr. 59(3), 1975.] *WR 157: 97*
[Mus. Lab. Zool., Fac. Cienc., Lisbon, Portugal]

Coss, Harold Thomas. MAXILLARY AND PREMAXILLARY DENTITION OF SALAMANDERS OF THE TRIBE PLETHODONTINI (FAMILY PLETHODONTIDAE). *Ph. D. thesis, Clemson Univ.* 79 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 97*

Crump, Martha Lynn. REPRODUCTIVE STRATEGIES IN A TROPICAL ANURAN COMMUNITY. *Ph. D. thesis, Univ. Kans.* 167 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(9), 1975.] *WR 157: 97*
The study dealt with 74 of the 81 species of frogs known from Santa Cecilia.

Culver, David C. FEEDING BEHAVIOR OF THE SALAMANDER *GYRINOPHILUS PORPHYRITICUS* IN CAVES. *Int. J. Speleol.* 5(3/4): 369-377. 1973. [From Biol. Abstr. 59(2), 1975. In English with French summ.] *WR 157: 98*
[Northwestern Univ., Evanston, Ill. 60201]

Cupp, Paul Vernon, Jr. THERMAL TOLERANCES AND ACCLIMATION DURING ANURAN DEVELOPMENT AND METAMORPHOSIS. *Ph. D. thesis, Clemson Univ.* 72 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 98*

Dundee, Harold A. RECOGNITION CHARACTERS FOR *RANA GRYLIO*. *J. Herpetol.* 8(3): 275-276, 1 fig. July 1974. *WR 157: 98*
[Tulane Univ., New Orleans, La. 70118]

Dundee, Harold A. REDISCOVERY OF *AMBYSTOMA TIGRINUM* IN EASTERN LOUISIANA, WITH COMMENTS ON THE BIOLOGY OF THE SPECIES. *J. Herpetol.* 8(3): 265-267. July 1974. *WR 157: 98*
[Tulane Univ., New Orleans, La. 70118]

Durant, Pedro, and Jim W. Dole. AGGRESSIVE BEHAVIOR IN *COLOSTETHUS (PROSTHERAPIS) COLLARIS* (ANURA: DENDROBATIDAE). *Herpetologica* 31(1): 23-26. Mar. 1975. *WR 157: 98*
[Univ. de los Andes, Merida, Venezuela]

Feldmann, Reiner. WASSERGEFUELLTE WAGENSPUREN AUF FORSTWEGEN ALS AMPHIBIENLAICHPLAETZE. [WATER-FILLED WAGON TRACKS ON FOREST TRAILS AS SPAWNING GROUNDS FOR AMPHIBIANS.] *Salamandra* 10(1): 15-21, illus. 1974. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 98*
[Friedhofstr. 22, 5759 Boesperde, West Germany] *"Triturus alpestris,* and *T. helveticus."*

Feng, Albert Shih-Hung. SOUND LOCALIZATION IN ANURANS: AN ELECTRO-PHYSIOLOGICAL AND BEHAVIORAL STUDY. *Ph. D. thesis, Cornell Univ.* 273 p. 1975. [From Diss. Abstr. Int. B Sci. Eng. 35(10), 1975.] *WR 157: 98*
"Hyla cinerea, H. gratiosa and *Rana catesbeiana."*

Fitzpatrick, Lloyd C., and Arthur V. Brown. METABOLIC COMPENSATION TO TEMPERATURE IN THE SALAMANDER *DESMOGNATHUS OCHROPHAEUS* FROM A HIGH ELEVATION POPULATION. *Comp. Biochem. Physiol. A Comp. Physiol.* 50(4): 733-737, 2 figs. 1 Apr. 1975. *WR 157: 98*
[North Tex. State Univ., Denton 76203]

Forester, Donald Charles. PARENTAL CARE IN *DESMOGNATHUS OCHROPHAEUS* COPE (URODELA: PLETHODONTIDAE): A BEHAVIORAL STUDY. *Ph. D. thesis, N.C. State Univ.* (Raleigh). 85 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 98*

Fortune, Joanne Elizabeth. ASPECTS OF OVULATION AND MEIOTIC MATURATION IN *XENOPUS LAEVIS*. *Ph. D. thesis, Cornell Univ.* 137 p. 1975. [From Diss. Abstr. Int. B Sci. Eng. 35(10), 1975.] *WR 157: 98*

Glorioso, Joseph Charles III. STUDIES OF DISEASED BULLFROGS, *RANA CATESBEIANA*. *Ph. D. thesis, La. State Univ.* 81 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 98*

Grogan, William L., Jr. LONGEVITY RECORD FOR THE STRIPED NEWT, *NOTOPHTHALMUS PERSTRIATUS*. *Bull. Md. Herpetol. Soc.* 11(1): 28. Mar. 1975. *WR 157: 98*
[Univ. Md., College Park 20742] Thirteen years.

Grover, Jill J., Donald W. Duszynski, and Barbara C. Bogan. HISTOCHEMISTRY OF THE TISSUE CAPSULE SURROUNDING INTRADERMAL MITES, *HANNEMANIA* SPP. (ACARINA: TROMBICULIDAE) IN NEW MEXICO AMPHIBIANS. *J. Parasitol.* 61(2): 382-384, 1 fig. Apr. 1975. *WR 157: 98*
[Univ. N. Mex., Albuquerque 87131]

Hailman, Jack, and Robert G. Jaeger. PHOTOTACTIC RESPONSES TO SPECTRALLY DOMINANT STIMULI AND USE OF COLOUR VISION BY ADULT ANURAN AMPHIBIANS: A COMPARATIVE SURVEY. *Anim. Behav.* 22(4): 757-795, 42 figs. Nov. 1974. *WR 157: 99*
[Univ. Wis., Madison 53706]

Halliday, T. R. SEXUAL BEHAVIOUR OF THE SMOOTH NEWT, *TRITURUS VULGARIS* (URODELA, SALAMANDRIDAE). *J. Herpetol.* 8(4): 277-292, 10 figs. Oct. 1974. *WR 157: 99*
[Animal Behaviour Res. Group, South Parks Road, Oxford, England]

Harri, Mikko N.E. EFFECT OF SEASON, TEMPERATURE ACCLIMATION AND STARVATION UPON PLASMA FFA AND GLYCEROL LEVELS IN THE FROG, *RANA TEMPORARIA*, AND IN THE TOAD, *BUFO BUFO*. *Comp. Biochem. Physiol. B Comp. Biochem.* 50(4): 531-534, 2 figs. 15 Apr. 1975. *WR 157: 99*
[Univ. Turku, SF-20500 Turku 50, Finland]

Heath, Alan G. BEHAVIORAL THERMOREGULATION IN HIGH ALTITUDE TIGER SALAMANDERS, *AMBYSTOMA TIGRINUM*. *Herpetologica* 31(1): 84-93, 5 figs. Mar. 1975. *WR 157: 99*
[Va. Polytech. Inst., Blacksburg 24061]

Huheey, James E., and Ronald A. Brandon. ANOTHER FUNCTION OF MATERNAL BROODING BEHAVIOR IN SALAMANDERS OF THE GENUS *DESMOGNATHUS*. *J. Herpetol.* 9(2): 257. Apr. 1975. *WR 157: 99*
[Southern Ill. Univ., Carbondale 62901]

Jaeger, Robert G. INTERFERENCE OR EXPLOITATION? A SECOND LOOK AT COMPETITION BETWEEN SALAMANDERS. *J. Herpetol.* 8(3): 191-194, 1 fig. July 1974. *WR 157: 99*
[Univ. Wis., Madison 53706] *"Plethodon cinereus* and *P. nettingi shenandoah."*

Jordon, Ralph, Jr., and Robert H. Mount. THE STATUS OF THE RED HILLS SALAMANDER, *PHAEOGNATHUS HUBRICHTI* HIGHTON. *J. Herpetol.* 9(2): 211-215, 3 figs. Apr. 1975. *WR 157: 99*
[Auburn Univ., Auburn, Ala. 36830]

Jørgensen, C. Barker. FACTORS CONTROLLING THE ANNUAL OVARIAN CYCLE IN THE TOAD *BUFO BUFO* (L.) *Gen. Comp. Endocrinol.* 25(3): 264-273, 3 figs. Mar. 1975. *WR 157: 99*
[Zoophysiol. Lab. A, Universitetsparken 13, 2100 Copenhagen Ø, Denmark]

Keen, W. Hubert. BREEDING AND LARVAL DEVELOPMENT OF THREE SPECIES OF *AMBYSTOMA* IN CENTRAL KENTUCKY (AMPHIBIA: URODELA). *Herpetologica* 31(1): 18-21, 1 fig. Mar. 1975. *WR 157: 99*
[Kent State Univ., Kent, Ohio 44242] *"Ambystoma opacum, A. texanum* and *A. maculatum."*

Koskela, Pentti, and Seppo Pasanen. EFFECT OF THERMAL ACCLIMATION ON SEASONAL LIVER AND MUSCLE GLYCOGEN CONTENT IN THE COMMON FROG, *RANA TEMPORARIA* L. *Comp. Biochem. Physiol. A Comp. Physiol.* 50(4): 723-727, 5 figs. 1 Apr. 1975. *WR 157: 99*
[Univ. Oulu, SF-90100 Oulu 10, Finland]

Kramer, David C. HOME RANGE OF THE WESTERN CHORUS FROG *PSEUDACRIS TRISERIATA TRISERIATA*. *J. Herpetol.* 8(3): 245-246. July 1974. *WR 157: 99*
[St. Cloud State Coll., St. Cloud, Minn. 56301]

Largen, M. J. THE STATUS OF THE GENUS *AFRIXALUS* (AMPHIBIA ANURA HYPEROLIIDAE) IN ETHIOPIA, INCLUDING DESCRIPTIONS OF TWO NEW SPECIES. *Monit. Zool. Ital. Suppl.* 5(10): 111-127, illus. 1974. [From Biol. Abstr. 59(2), 1975. In English with Italian summ.] *WR 157: 99*
[Haile Selassie I Univ., P. O. Box 1176, Addis Ababa, Ethiopia] *"Afrixalus clarkei,* and *A. enseticola."*

León, Pedro Ernesto. LIGHT AND ELECTRON OPTICS AND IN SITU MOLECULAR HYBRIDIZATION OF SALAMANDER CHROMOSOMES. *Ph. D. thesis, Univ. Oreg.* 102 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 100*
"Taricha g. granulosa."

Lodato, Michael J., and Michael H. Kerr. THE WESTERN BIRD-VOICED TREEFROG *HYLA A. AVIVOCA* VIOSCA IN HENDERSON COUNTY, KENTUCKY. *J. Herpetol.* 8(3): 259-260. July 1974. *WR 157: 100*
[Middle Mississippi Valley Herpetologists, P. O. Box 2005, Evansville, Ind. 47714]

Longley, Alison Jean Wood. THE DEVELOPMENT OF NERVE CONNECTIONS IN THE OPTIC SYSTEM OF THE FROG, *XENOPUS LAEVIS*. *Ph. D. thesis, Univ. Oreg.* 162 p. 1975. [From Diss. Abstr. Int. B Sci. Eng. 35(12), 1975.] *WR 157: 100*

Lutz, Bertha. *ELEUTHERODACTYLUS QUALTERI*, A NEW SPECIES FROM THE ORGAN MOUNTAINS OF BRAZIL. *J. Herpetol.* 8(4): 293-295, 1 fig. Oct. 1974. *WR 157: 100*
[Univ. Rio de Janeiro, Rio de Janiero, Brazil]

Lynch, John D. A REVIEW OF THE ANDEAN LEPTODACTYLID FROG GENUS *PHRYNOPUS*. *Occas. Pap. Mus. Nat. Hist. Univ. Kans.* no. 35. p. 1-51, 19 figs. 16 Apr. 1975. In English with Spanish summ. *WR 157: 100*
[Univ. Nebr., Lincoln]

McDiarmid, Roy W., and Mercedes S. Foster. UNUSUAL SITES FOR TWO NEOTROPICAL TADPOLES. *J. Herpetol.* 9(2): 264-265. Apr. 1975. *WR 157: 100*
[Univ. South Fla., Tampa 33620] *"Hypopachus variolosus* and *Dendrobates auratus."*

Means, D. Bruce. THE STATUS OF *DESMOGNATHUS BRIMLEYORUM* STEJNEGER AND AN ANALYSIS OF THE GENUS *DESMOGNATHUS* (AMPHIBIA: URODELA) IN FLORIDA. *Bull. Fla. State Mus. Biol. Sci.* 18(1): 1-100, 36 figs. 8 Mar. 1974. Price $2.45. *WR 157: 100*
[Fla. State Univ., Tallahassee 32306]

Moore, Frank Ludwig. THE CONTROL OF SPERMATOGENESIS AND GONADAL STEROIDOGENESIS BY EXOGENOUS GONADOTROPINS AND TESTOSTERONE IN *AMBYSTOMA TIGRINUM* LARVAE. *Ph. D. thesis, Univ. Colo.* 92 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 100*

Morris, Michael A. AN ILLINOIS RECORD FOR A TRIPLOID SPECIES OF THE *AMBYSTOMA JEFFERSONIANUM* COMPLEX. *J. Herpetol.* 8(3): 255-256. July 1974. *WR 157: 100*
[70 South Parkway, Rantoul, Ill. 61866]

Mullen, Terry Lee. IONIC REGULATION IN ANURANS. *Ph. D. thesis, Univ. Oreg.* 169 p. 1975. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 100*
Four species of anurans which normally live in diverse habitats were systematically studied with respect to ionic and osmotic regulation under aquatic conditions. Ranging from aquatic to terrestrial, the species were *Ascaphus truei, Rana pipiens, Hyla regilla* and *Bufo boreas*.

Mushinsky, Henry R., and Edmund D. Brodie, Jr. SELECTION OF SUBSTRATE pH BY SALAMANDERS. *Am. Midl. Nat.* 93(2): 440-443. Apr. 1975. *WR 157: 100*
[La. State Univ., Baton Rouge 70803] Eight species of salamanders were tested for substrate pH preference; six species preferred the basic pH while the others had no preference.--From abstr.

Nelson, Craig E. ANOTHER NEW MINIATURE 4-TOED SOUTH AMERICAN MICROHYLID FROG (GENUS: *SYNCOPE*). *J. Herpetol.* 9(1): 81-84, 6 figs. Jan. 1975. *WR 157: 100*
[Ind. Univ., Bloomington 47401] *"Syncope carvalhoi."*

Obst, Fritz Juergen. DIE MITTELMEER-ERDKROETE, *BUFO BUFO SPINOSUS* DAUDIN, NEU FUER BULGARIEN (AMPHIBIA, ANURA). [THE MEDITERANEAN EARTH TOAD, *BUFO BUFO SPINOSUS* DAUDIN, NEW FOR BULGARIA (AMPHIBIA, ANURA).] *Zool. Abh.* (Dresden) 32(9): 149-153, illus. 1973. [From Biol. Abstr. 59(3), 1975. In German with English summ.] *WR 157: 101*
[Staatl. Mus. Tierk., Augustusstr. 2, DDR-801 Dresden, East Germany]

Oldham, R. S. OVULATION INDUCED BY VOCALIZATION IN MEMBERS OF THE *RANA PIPIENS* COMPLEX. *J. Herpetol.* 9(2): 248-249. Apr. 1975. *WR 157: 101*
[Univ. Ibadan, Ibadan, Nigeria]

Oldham, Robert S., and H. Carl Gerhardt. BEHAVIORAL ISOLATING MECHANISMS OF THE TREEFROGS *HYLA CINEREA* AND *H. GRATIOSA*. *Copeia* 1975(2): 223-231, 5 figs. 23 May 1975. *WR 157: 101*
[Univ. Ibadan, Ibadan, Nigeria]

Orser, Paul N., and Donald J. Shure. POPULATION CYCLES AND ACTIVITY PATTERNS OF THE DUSKY SALAMANDER, *DESMOGNATHUS FUSCUS FUSCUS*. *Am. Midl. Nat.* 93(2): 403-410, 2 figs. Apr. 1975. *WR 157: 101*
[Stone & Webster Engineering Corp., 225 Franklin St., Boston, Mass. 02107]

Orser, Paul Nelson. ANNUAL ENERGETICS IN A GEORGIA POPULATION OF THE DUSKY SALAMANDER. *(DESMOGNATHUS FUSCUS FUSCUS). Ph. D. thesis, Emory Univ.* 86 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975.] *WR 157: 101*

Platt, James Earl. THE ROLE OF PROLACTIN IN NEOTENY AS FOUND IN COLORADO POPULATIONS OF THE TIGER SALAMANDER *(AMBYSTOMA TIGRINUM). Ph. D. thesis, Univ. Colo.* 80 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 101*

Savage, Jay M. SYSTEMATICS AND DISTRIBUTION OF THE MEXICAN AND CENTRAL AMERICAN STREAM FROGS RELATED TO *ELEUTHERODACTYLUS RUGULOSUS*. *Copeia* 1975(2): 254-306, 19 figs. 23 May 1975. *WR 157: 101*
[Univ. Southern Calif., Los Angeles 90007]

Sazima, Ivan. AN ALBINO HYLID FROG, *PHRYNOHYAS MESOPHAEA* (HENSEL). *J. Herpetol.* 8(3): 264-265, 2 figs. July 1974. *WR 157: 101*
[Univ. Estadual Campinas, 13.100, Campinas, São Paulo, Brazil]

Sazima, Ivan. EXPERIMENTAL PREDATION ON THE LEAF-FROG *PHYLLOMEDUSA ROHDEI* BY THE WATER SNAKE *LIOPHIS MILIARIS*. *J. Herpetol.* 8(4): 376-377, 1 fig. Oct. 1974. *WR 157: 101*
[Univ. Estadual Campinas, 13.100, Campinas, São Paulo, Brazil]

Schueler, Frederick W. GEOGRAPHIC VARIATION IN THE SIZE OF *RANA SEPTENTRIONALIS* IN QUEBEC, ONTARIO, AND MANITOBA. *J. Herpetol.* 9(2): 177-185, 2 figs. Apr. 1975. *WR 157: 101*
[Univ. Toronto, Toronto, Ontario, M5S 1A1, Canada]

Scott, Norman J., Jr., and Andrew Starrett. AN UNUSUAL BREEDING AGGREGATION OF FROGS, WITH NOTES ON THE ECOLOGY OF *AGALYCHINIS SPURRELLI* (ANURA: HYLIDAE). *Bull. South. Calif. Acad. Sci.* 73(2): 86-94, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 101*
[Univ. Conn., Storrs 06268]

Seymour, R. S., and A. K. Lee. PHYSIOLOGICAL ADAPTATIONS OF ANURAN AMPHIBIANS TO ARIDITY: AUSTRALIAN PROSPECTS. *Aust. Zool.* 18(2): 53-65, illus. 1974. [From Biol. Abstr. 59(2), 1975.] *WR 157: 101*
[Monash Univ., Clayton, Victoria, 3168, Australia]

Shealy, Robert M. FACTORS INFLUENCING ACTIVITY IN THE SALAMANDERS *DESMOGNATHUS OCHROPHAEUS* AND *D. MONTICOLA* (PLETHODONTIDAE). *Herpetologica* 31(1): 94-102, 6 figs. Mar. 1975. *WR 157: 102*
[Pensacola Jr. Coll., Pensacola, Fla. 32504]

Shertzer, Richard H., Robert G. Hart, and Frank M. Pavlick. THERMAL ACCLIMATION IN SELECTED TISSUES OF THE LEOPARD FROG *RANA PIPIENS*. *Comp. Biochem. Physiol. A Comp. Physiol.* 51(2): 327-334, 3 figs. 1 June 1975. *WR 157: 102*
[Slippery Rock State Coll., Slippery Rock, Pa. 16057]

Siboulet, Robert. MORPHOLOGIE CRANIENNE DE *BUFO MAURITANICUS* SCHLEGEL 1841. [CRANIAL MORPHOLOGY OF *BUFO MAURITANICUS* SCHLEGEL 1841.] *Vie Milieu Ser. C Biol. Terr.* 23(2): 291-308, illus. 1972/1973. [From Biol. Abstr. 59(2), 1975. In French with German and English summ.] *WR 157: 102*
[Lab. Ecol. Anim. et Biol. Mar., 38 Blvd. Michelet, 44000 Nantes, France]

Snyder, Gregory K., and Wesley W. Weathers. TEMPERATURE ADAPTATIONS IN AMPHIBIANS. *Am. Nat.* 109 (965): 93-101, 4 figs. Jan.-Feb. 1975. *WR 157: 102*
[Univ. Calif., Riverside 92502]

Sottovia-Filho, Dagoberto. MORPHOLOGICAL AND HISTOCHEMICAL STUDY OF MAST CELLS IN LIZARDS AND FROGS, WITH SPECIAL REFERENCE TO THE SO-CALLED "SUMMER CELLS" OF "STILLING CELLS" OF AMPHIBIANS. *J. Herpetol.* 8(4): 305-309, 2 figs. Oct. 1974. *WR 157: 102*
[Univ. São Paulo, Bauru 17100, CP 73, São Paulo, Brazil] *"Ameiva ameiva, Tupinambis teguixin* and *Tropidurus torquatus."*

Sternthal, David E. OLFACTORY AND VISUAL CUES IN THE FEEDING BEHAVIOUR OF THE LEOPARD FROG *(RANA PIPIENS)*. *Z. Tierpsychol.* 34(3): 239-246, illus. 1974. [From Biol. Abstr. 59(3), 1975. In English with German summ.] *WR 157: 102*
[Univ. Waterloo, Waterloo, Ontario, Canada]

Sype, William Evans. BREEDING HABITS EMBRYONIC THERMAL REQUIREMENTS AND EMBRYONIC AND LARVAL DEVELOPMENT OF THE CASCADE FROG, *RANA CASCADAE* SLATER. *Ph. D. thesis, Oreg. State Univ.* 120 p. 1975. [From Diss. Abstr. Int. B Sci. Eng. 35(7), 1975.] *WR 157: 102*

Thireau, Michel. L'ENCEPHALE DE *TRITURUS HELVETICUS HELVETICUS* (RAZOUMOWSKY, 1789) (AMPHIBIA, CAUDATA, SALAMANDRIDAE): ETUDE PREALABLE A DES RECHERCHES QUANTITATIVES. [THE ENCEPHALON OF *TRITURUS HELVETICUS HELVETICUS* (RASOUMOWSKY, 1789) (AMPHIBIA, CAUDATA, SALAMANDRIDAE): A STUDY PRELIMINARY TO QUANTITATIVE RESEARCH.] *Bull. Mus. Natl. Hist. Nat. Zool.* 131. p. 1621-1631, illus. 1973. [From Biol. Abstr. 59(2), 1975. In French with English summ.] *WR 157: 102*
[Mus. Natl. Hist. Nat., 57 rue Cuvier, 75005 Paris, France]

Thireau, Michel. OBSERVATIONS ECOLOGIQUES SUR UNE RECOLTE DE BATRACIENS DANS LES PYRENEES CENTRALES. [ECOLOGIC OBSERVATIONS ON A COLLECTION OF BATRACIANS IN THE CENTRAL PYRENEES.] *Bull. Soc. Hist. Nat. Toulouse* 109(1/2): 145-149, illus. 1973. [From Biol. Abstr. 59(3), 1975. In French.] *WR 157: 102*
[Lab. Zool. Mus. Natl. Hist. Nat., 57 rue Cuvier, 75005 Paris, France] *"Euproctus asper, Salamandra salamandra, Alytes obstetricans, Bufo bufo, Rana dalmatina, R. ridibunda* and *R. temporaria."*

Tomson, Olivia House. CELESTIAL ORIENTATION IN LARVAE AND JUVENILES OF FOUR SPECIES OF *AMBYSTOMA*. *Ph. D. thesis, Miss. State Univ.* 62 p. 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(8), 1975.] *WR 157: 102*
"Ambystoma maculatum, A. talpoideum, and *A. tigrinum mavortium."*

Tyler, M. J., and F. Parker. NEW SPECIES OF HYLID AND LEPTODACTYLID FROGS FROM SOUTHERN NEW GUINEA. *Trans. Roy. Soc. S. Aust.* 98(2): 71-77, illus. 1974. [From Biol. Abstr. 59(3), 1975.] *WR 157: 102*
[S. Aust. Mus., N. Terrace, Adelaide, Southern Australia, 5000, Australia] *"Litoria quadrilineata,* and *Ranidella remota."*

Valdivieso, Dario, and J. R. Tamsitt. THERMAL RELATIONS OF THE NEOTROPICAL FROG *HYLA LABIALIS* (ANURA: HYLIDAE). *Roy. Ont. Mus. Life Sci. Contrib.* no. 26. 10 p., 1 fig. 9 Sept. 1974. *WR 157: 103*
[Royal Ontario Mus., Toronto, Ontario, Canada]

Wake, Marvalee H. ANOTHER SCALED CAECILIAN (GYMNOPHIONA: TYPHLONECTIDAE). *Herpetologica* 31(1): 134-136, 2 figs. Mar. 1975. *WR 157: 103*
[Univ. Calif., Berkeley 94720]

Weigmann, Diana L., and Ronald Altig. ANOXIC TOLERANCES OF THREE SPECIES OF SALAMANDER LARVAE. *Comp. Biochem. Physiol. A Comp. Physiol.* 50(4): 681-684, 1 fig. 1 Apr. 1975. *WR 157: 103*
[Miss. State Univ., Mississippi State 39762] Survival times of *Siren intermedia, Ambystoma maculatum* and *A. opacum* larvae in one or two developmental stages were determined under nitrogen anoxia.--From abstr.

West, Nigel Hugh. VENTILATION AND DIVING APNOEA IN *RANA PIPIENS*. *Ph. D. thesis, Univ. British Columbia.* 1974. [From Diss. Abstr. Int. B Sci. Eng. 35(11), 1975. To obtain a microfiche copy order directly from the National Library of Canada at Ottawa.] *WR 157: 103*

Zimka, Jerzy R. PREDATION OF FROGS, *RANA ARVALIS* NILSS., IN DIFFERENT FOREST SITE CONDITIONS. *Ekol. Pol.* 22(1): 31-63, 22 figs. 1974. In English with Polish summ. *WR 157: 103*
[Inst. Ecol., Polish Acad. Aci., Dziekanów Leśny near Warsaw, Poland]

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As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

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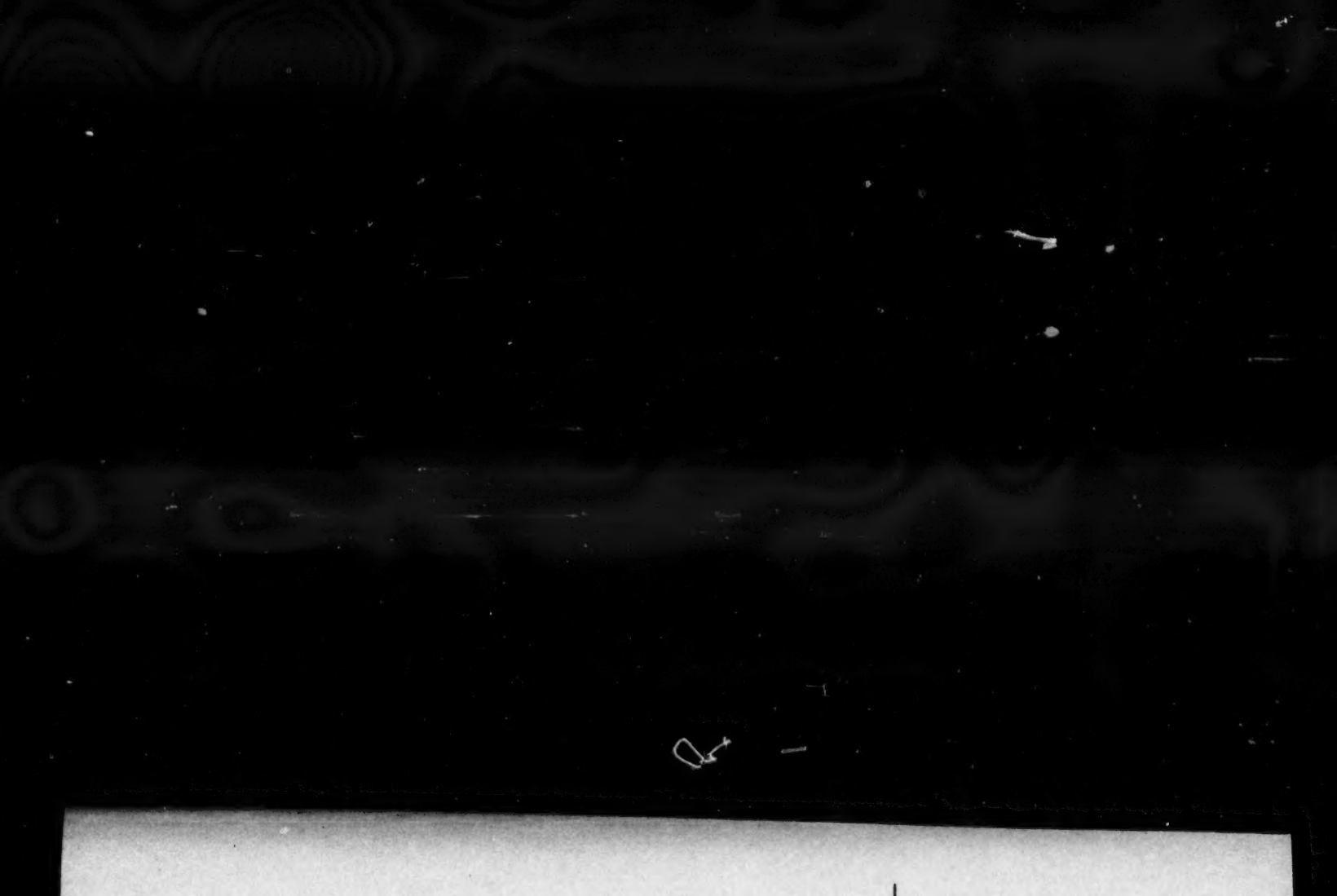
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